



# JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 06/06/2019

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Supersedes: 06/06/2019

Version: 2.0

ES-5629

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixtures  
Product name : JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL  
Product code : ES-5629

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : For professional use only

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Cambridge Isotope Laboratories, Inc.  
50 Frontage Road  
Andover, MA 01810  
USA

USA: 1-800-322-1174 Int: 1-978-749-8000  
[cilsales@isotope.com](mailto:cilsales@isotope.com) [www.isotope.com](http://www.isotope.com)

### Emergency telephone number

Emergency numbers:

Chemtrec: 1-800-424-9300 (24 hours)  
International: 1-703-741-5970 (24 hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2	H225
Acute Tox. 3 (Oral)	H301
Acute Tox. 3 (Dermal)	H311
Acute Tox. 3 (Inhalation)	H331
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 1	H370

Full text of hazard classes and H-statements : see section 16

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

#### GHS-US classification

Flam. Liq. 2	H225
Acute Tox. 3 (Oral)	H301
Acute Tox. 3 (Dermal)	H311
Acute Tox. 3 (Inhalation)	H331
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 1	H370

Full text of H statements : see section 16

#### Adverse physicochemical, human health and environmental effects

Eyes, Kidney, Liver, Heart, Central nervous system. Highly flammable liquid and vapor. Causes damage to organs (eyes, kidneys, liver, heart, central nervous system) (if inhaled, if swallowed, in contact with skin). Toxic in contact with skin. Toxic if inhaled. Toxic if swallowed. Causes skin irritation. Causes serious eye irritation.

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### 2.2. Label elements

#### Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS08

GHS06

Signal word (CLP) :

Danger

Hazardous ingredients :

100% METHANOL UNLABELED

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapor  
H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H370 - Causes damage to organs

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting equipment  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.

#### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS02

GHS08

GHS06

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H225 - Highly flammable liquid and vapor  
H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H370 - Causes damage to organs

Precautionary statements (GHS-US) :

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/Bond container and receiving equipment  
P241 - Use explosion-proof electrical/ventilating/lighting equipment  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 - If swallowed: Immediately call a poison center or doctor  
P302+P352 - If on skin: Wash with plenty of water  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P307+P311 - If exposed: Call a poison center/doctor  
P311 - Call a poison center or doctor  
P312 - Call a poison center or doctor if you feel unwell  
P321 - Specific treatment (see supplemental first aid instruction on this label)  
P322 - Specific treatment (see supplemental first aid instruction on this label)  
P330 - Rinse mouth.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.

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P362+P364 - Take off contaminated clothing and wash it before reuse.  
P370+P378 - In case of fire: Use media other than water to extinguish.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards

PBT: not relevant – no registration required

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
100% METHANOL UNLABELED	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	98.940454	F; R11 T; R39/23/24/25 Xi; R36/38
ACETONITRILE UNLABELED	(CAS-No.) 75-05-8 (EC-No.) 200-835-2 (EC Index-No.) 608-001-00-3 (REACH-no) 01-2119471307-38	1.04234	F; R11 Xi; R36 Xn; R20/21/22
4-ISOPROPYL-3-METHYLPHENOL (ISOPROPYL-13C3, 99%)	(CAS-No.) 3228-02-2 (Unlabeled) (EC-No.) 221-761-7 (Unlabeled) (EC Index-No.)	0.006298	Xi; R36/37/38
5-ISOPROPYL-2-METHYLPHENOL (ISOPROPYL-13C3, 99%)	(CAS-No.) 499-75-2 (Unlabeled) (EC-No.) 207-889-6 (Unlabeled)	0.002518	Xn; R22 Xi; R41 Xi; R38
TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER)	(CAS-No.) 3380-34-5 (Unlabeled) (EC-No.) 222-182-2 (Unlabeled) (EC Index-No.) 604-070-00-9 (Unlabeled)	0.002516	Xi; R36/38 N; R50/53
2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%)	(CAS-No.) 89-83-8 (Unlabeled) (EC-No.) 201-944-8 (Unlabeled) (EC Index-No.) 604-032-00-1 (Unlabeled)	0.002514	Xn; R22 C; R35 Xi; R41 N; R51/53
BISPHENOL A (RING-13C12, 99%)	(CAS-No.) 80-05-7 (Unlabeled) (EC-No.) 201-245-8 (Unlabeled) (EC Index-No.) 604-030-00-0 (Unlabeled)	0.000632	Xn; R21/22 Xi; R37 R43 Xi; R41 Repr.Cat.3; R62 Repr.Cat.3; R63
P-N-NONYLPHENOL (RING-13C6, 99%) substance listed as REACH Candidate (4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof])	(CAS-No.) 104-40-5 (Unlabeled) (EC-No.) 203-199-4	0.000631	Repr.Cat.3; R62 Repr.Cat.3; R63 Xn; R22 C; R34 N; R50/53
BISPHENOL F (RING-13C12, 99%)	(CAS-No.) 620-92-8 (Unlabeled) (EC-No.) 210-658-2 (Unlabeled)	0.000631	Xi; R36/37/38
4-TERT-OCTYLPHENOL (RING-13C6, 99%)	(CAS-No.) 1173020-24-0 (EC-No.) 205-426-2 (Unlabeled) (EC Index-No.) 604-075-00-6 (Unlabeled)	0.000628	N; R50/53 Xi; R38 Xi; R41
OXYBENZONE (PHENYL-13C6, 99%)	(CAS-No.) 131-57-7 (unlabeled) (EC-No.) 205-031-5	0.000126	Xi; R36/37/38
4-NITROPHENOL (13C6, 99%)	(CAS-No.) 100-02-7 (Unlabeled) (EC-No.) 202-811-7 (Unlabeled) (EC Index-No.) 609-015-00-2 (Unlabeled)	0.000063	N; R51/53 T; R25 Xn; R48/20/21
ISOPROPYL PARABEN (ISOPROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 4191-73-5 (Unlabeled) (EC-No.) 224-069-3 (Unlabeled)	0.000063	Not classified
N-PROPYL PARABEN (N-PROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 94-13-3 (Unlabeled)	0.000063	Not classified
ISOBUTYL PARABEN (ISOBUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 4247-02-3 (Unlabeled) (EC-No.) 224-208-8 (Unlabeled)	0.000063	N; R51/53
N-BUTYL PARABEN (N-BUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 94-26-8 (Unlabeled) (EC-No.) 202-318-7 (Unlabeled) (EC Index-No.)	0.000063	Not classified

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
3-METHYL-4-NITROPHENOL (13C6, 99%)	(CAS-No.) 2581-34-2 (Unlabeled) (EC-No.) 219-952-5 (Unlabeled) (EC Index-No.)	0.000063	Xi; R36/37/38 Xn; R20/21/22
BISPHENOL S (13C12, 98%)	(CAS-No.) 80-09-1 (Unlabeled) (EC-No.) 201-250-5 (Unlabeled)	0.000063	Xn; R22 Xi; R36 Xi; R37
BENZYL PARABEN (BENZYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 94-18-8 (Unlabeled) (EC-No.) 202-311-9 (Unlabeled)	0.000063	Xi; R36/37/38
N-PENTYL PARABEN (N-PENTYL 4-HYDROXYBENZOATE) (13C6, 99%)	(CAS-No.) 6521-29-5 (Unlabeled)	0.000063	Xi; R36/37/38
METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 99-76-3 (unlabeled) (EC-No.) 202-785-7	0.000063	R52/53
ETHYL PARABEN (ETHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 120-47-8 (Unlabeled)	0.000063	Not classified
BISPHENOL AF (RING-13C12, 99%)	(CAS-No.) 1478-61-1 (Unlabeled) (EC-No.) 216-036-7 (Unlabeled)	0.000006	Xi; R36/37/38
3,4,4'-TRICHLOROCARBANILIDE (4'-CHLOROPHENYL-13C6, 99%) (TRICLOCARBAN)	(CAS-No.) 101-20-2 (Unlabeled) (EC-No.) 204-825-9 (Unlabeled) (EC Index-No.) 602-028-00-4	0.000006	N; R50/53
N-HEPTYL PARABEN (N-HEPTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 1085-12-7 (Unlabeled) (EC-No.) 214-115-0 (Unlabeled)	0.000006	Xi; R36/37/38
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
100% METHANOL UNLABELED	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	98.940454	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 1, H370
ACETONITRILE UNLABELED	(CAS-No.) 75-05-8 (EC-No.) 200-835-2 (EC Index-No.) 608-001-00-3 (REACH-no) 01-2119471307-38	1.04234	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
4-ISOPROPYL-3-METHYLPHENOL (ISOPROPYL-13C3, 99%)	(CAS-No.) 3228-02-2 (Unlabeled) (EC-No.) 221-761-7 (Unlabeled) (EC Index-No.)	0.006298	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
5-ISOPROPYL-2-METHYLPHENOL (ISOPROPYL-13C3, 99%)	(CAS-No.) 499-75-2 (Unlabeled) (EC-No.) 207-889-6 (Unlabeled)	0.002518	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER)	(CAS-No.) 3380-34-5 (Unlabeled) (EC-No.) 222-182-2 (Unlabeled) (EC Index-No.) 604-070-00-9 (Unlabeled)	0.002516	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%)	(CAS-No.) 89-83-8 (Unlabeled) (EC-No.) 201-944-8 (Unlabeled) (EC Index-No.) 604-032-00-1 (Unlabeled)	0.002514	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Chronic 2, H411
BISPHENOL A (RING-13C12, 99%)	(CAS-No.) 80-05-7 (Unlabeled) (EC-No.) 201-245-8 (Unlabeled) (EC Index-No.) 604-030-00-0 (Unlabeled)	0.000632	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361 STOT SE 3, H335
P-N-NONYLPHENOL (RING-13C6, 99%) substance listed as REACH Candidate (4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof])	(CAS-No.) 104-40-5 (Unlabeled) (EC-No.) 203-199-4	0.000631	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400
BISPHENOL F (RING-13C12, 99%)	(CAS-No.) 620-92-8 (Unlabeled) (EC-No.) 210-658-2 (Unlabeled)	0.000631	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
4-TERT-OCTYLPHENOL (RING-13C6, 99%)	(CAS-No.) 1173020-24-0 (EC-No.) 205-426-2 (Unlabeled) (EC Index-No.) 604-075-00-6 (Unlabeled)	0.000628	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
OXYBENZONE (PHENYL-13C6, 99%)	(CAS-No.) 131-57-7 (unlabeled) (EC-No.) 205-031-5	0.000126	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336

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4-NITROPHENOL (13C6, 99%)	(CAS-No.) 100-02-7 (Unlabeled) (EC-No.) 202-811-7 (Unlabeled) (EC Index-No.) 609-015-00-2 (Unlabeled)	0.000063	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 STOT RE 2, H373 Aquatic Chronic 2, H411
ISOPROPYL PARABEN (ISOPROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 4191-73-5 (Unlabeled) (EC-No.) 224-069-3 (Unlabeled)	0.000063	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
N-PROPYL PARABEN (N-PROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 94-13-3 (Unlabeled)	0.000063	Not classified
ISOBUTYL PARABEN (ISOBUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 4247-02-3 (Unlabeled) (EC-No.) 224-208-8 (Unlabeled)	0.000063	Aquatic Chronic 2, H411
N-BUTYL PARABEN (N-BUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 94-26-8 (Unlabeled) (EC-No.) 202-318-7 (Unlabeled) (EC Index-No.)	0.000063	Not classified
3-METHYL-4-NITROPHENOL (13C6, 99%)	(CAS-No.) 2581-34-2 (Unlabeled) (EC-No.) 219-952-5 (Unlabeled) (EC Index-No.)	0.000063	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
BISPHENOL S (13C12, 98%)	(CAS-No.) 80-09-1 (Unlabeled) (EC-No.) 201-250-5 (Unlabeled)	0.000063	Eye Irrit. 2, H319 STOT SE 3, H335
BENZYL PARABEN (BENZYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 94-18-8 (Unlabeled) (EC-No.) 202-311-9 (Unlabeled)	0.000063	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
N-PENTYL PARABEN (N-PENTYL 4-HYDROXYBENZOATE) (13C6, 99%)	(CAS-No.) 6521-29-5 (Unlabeled)	0.000063	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 99-76-3 (unlabeled) (EC-No.) 202-785-7	0.000063	Aquatic Chronic 3, H412
ETHYL PARABEN (ETHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 120-47-8 (Unlabeled)	0.000063	Not classified
BISPHENOL AF (RING-13C12, 99%)	(CAS-No.) 1478-61-1 (Unlabeled) (EC-No.) 216-036-7 (Unlabeled)	0.000006	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
3,4,4'-TRICHLOROCARBANILIDE (4'-CHLOROPHENYL-13C6, 99%) (TRICLOCARBAN)	(CAS-No.) 101-20-2 (Unlabeled) (EC-No.) 204-825-9 (Unlabeled) (EC Index-No.) 602-028-00-4	0.000006	Aquatic Chronic 1, H410
N-HEPTYL PARABEN (N-HEPTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 1085-12-7 (Unlabeled) (EC-No.) 214-115-0 (Unlabeled)	0.000006	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Name	Product identifier	%	GHS-US classification
100% METHANOL UNLABELED	(CAS-No.) 67-56-1	98.940454	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 1, H370
ACETONITRILE UNLABELED	(CAS-No.) 75-05-8	1.04234	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319
4-ISOPROPYL-3-METHYLPHENOL (ISOPROPYL-13C3, 99%)	(CAS-No.) 3228-02-2 (Unlabeled)	0.006298	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
5-ISOPROPYL-2-METHYLPHENOL (ISOPROPYL-13C3, 99%)	(CAS-No.) 499-75-2 (Unlabeled)	0.002518	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER)	(CAS-No.) 3380-34-5 (Unlabeled)	0.002516	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%)	(CAS-No.) 89-83-8 (Unlabeled)	0.002514	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

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BISPHENOL A (RING-13C12, 99%)	(CAS-No.) 80-05-7 (Unlabeled)	0.000632	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361 STOT SE 3, H335 Aquatic Acute 2, H401
P-N-NONYLPHENOL (RING-13C6, 99%)	(CAS-No.) 104-40-5 (Unlabeled)	0.000631	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400
BISPHENOL F (RING-13C12, 99%)	(CAS-No.) 620-92-8 (Unlabeled)	0.000631	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
4-TERT-OCTYLPHENOL (RING-13C6, 99%)	(CAS-No.) 1173020-24-0	0.000628	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
OXYBENZONE (PHENYL-13C6, 99%)	(CAS-No.) 131-57-7 (unlabeled)	0.000126	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H336
4-NITROPHENOL (13C6, 99%)	(CAS-No.) 100-02-7 (Unlabeled)	0.000063	Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
ISOPROPYL PARABEN (ISOPROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 4191-73-5 (Unlabeled)	0.000063	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
N-PROPYL PARABEN (N-PROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 94-13-3 (Unlabeled)	0.000063	Aquatic Acute 2, H401
ISOBUTYL PARABEN (ISOBUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 4247-02-3 (Unlabeled)	0.000063	Aquatic Acute 2, H401 Aquatic Chronic 2, H411
N-BUTYL PARABEN (N-BUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 94-26-8 (Unlabeled)	0.000063	Not classified
3-METHYL-4-NITROPHENOL (13C6, 99%)	(CAS-No.) 2581-34-2 (Unlabeled)	0.000063	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
BISPHENOL S (13C12, 98%)	(CAS-No.) 80-09-1 (Unlabeled)	0.000063	Eye Irrit. 2A, H319 STOT SE 3, H335
BENZYL PARABEN (BENZYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 94-18-8 (Unlabeled)	0.000063	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
N-PENTYL PARABEN (N-PENTYL 4-HYDROXYBENZOATE) (13C6, 99%)	(CAS-No.) 6521-29-5 (Unlabeled)	0.000063	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 99-76-3 (unlabeled)	0.000063	Aquatic Acute 3, H402 Aquatic Chronic 3, H412
ETHYL PARABEN (ETHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 120-47-8 (Unlabeled)	0.000063	Aquatic Acute 2, H401
BISPHENOL AF (RING-13C12, 99%)	(CAS-No.) 1478-61-1 (Unlabeled)	0.000006	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
3,4,4'-TRICHLOROCARBANILIDE (4'-CHLOROPHENYL-13C6, 99%) (TRICLOCARBAN)	(CAS-No.) 101-20-2 (Unlabeled)	0.000006	Aquatic Chronic 1, H410
N-HEPTYL PARABEN (N-HEPTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%)	(CAS-No.) 1085-12-7 (Unlabeled)	0.000006	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of R- and H- phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : If medical advice is needed, have product container or label at hand. Call a physician immediately. Evacuate danger area.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Call a doctor.
- First-aid measures after skin contact : Rinse skin with water/shower. Take immediately victim to hospital. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.



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First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Call a physician immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Causes damage to organs (Eyes, heart, liver, kidneys, central nervous system, Skin) (in contact with skin, if inhaled, if swallowed).
Symptoms/effects after inhalation	: Toxic if inhaled.
Symptoms/effects after skin contact	: Toxic in contact with skin. Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: Toxic if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Dry sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Highly flammable liquid and vapor.
Reactivity	: Vapors may form flammable mixture with air. Highly flammable liquid and vapor.

### 5.3. Advice for firefighters

Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Wear recommended personal protective equipment.
Other information	: Use water spray to cool exposed surfaces.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Wear respiratory protection. Do not breathe dust, mist, gas, spray, vapors, fume. Avoid contact with skin, eyes and clothing. Ventilate spillage area. Remove all sources of ignition. No open flames, no sparks, and no smoking. Ensure adequate air ventilation. Special attention should be given to low areas/pits where flammable vapors can accumulate.
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment	: Dike and contain spill.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust, fume, gas, spray, vapors, mist. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area.
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Hygiene measures : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Storage conditions : Store at room temperature away from light and moisture.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	250 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Headache. Nausea. Dizziness. Eye damage. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Danger of cutaneous absorption.
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup> Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	325 mg/m <sup>3</sup> Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm Basis: NIOSH Recommended Exposure Limits
USA NIOSH	Remark (NIOSH)	Potential for dermal absorption.
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup> Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	325 mg/m <sup>3</sup> Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (ppm)	250 ppm Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (Ceiling) (ppm)	1000 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	Remark (OSHA)	The value in mg/m <sup>3</sup> is approximate. Skin notation.
3,4,4'-TRICHLOROCARBANILIDE (4'-CHLOROPHENYL-13C6, 99%) (TRICLOCARBAN) (101-20-2 (Unlabeled))		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	25.00000000 ppm Central Nervous System impairment. Confirmed animal carcinogen.
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	100 ppm Central Nervous System impairment. Confirmed animal carcinogen.
100% METHANOL UNLABELED (67-56-1)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	200.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	250 ppm Basis: USA. ACGIH Threshold Limit Values (TLV)



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100% METHANOL UNLABELED (67-56-1)		
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Headache. Nausea. Dizziness. Eye damage. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Danger of cutaneous absorption.
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup> Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	325 mg/m <sup>3</sup> Basis: NIOSH Recommended Exposure Limits
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm Basis: NIOSH Recommended Exposure Limits
USA NIOSH	Remark (NIOSH)	Potential for dermal absorption.
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup> Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	325 mg/m <sup>3</sup> Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (STEL) (ppm)	250 ppm Basis: USA. OSHA - Table Z-1 Limits for Air Contaminants - 1910.1000. California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	OSHA PEL (Ceiling) (ppm)	1000 ppm California permissible exposure limits for chemical contaminants (Title 8, Article 107)
USA OSHA	Remark (OSHA)	The value in mg/m <sup>3</sup> is approximate. Skin notation.

ACETONITRILE UNLABELED (75-05-8)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20.00000000 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	34 mg/m <sup>3</sup> Forms Cyanide in the body.
USA NIOSH	NIOSH REL (TWA) (ppm)	20 ppm Forms Cyanide in the body.
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	70 mg/m <sup>3</sup> The value in mg/m <sup>3</sup> is approximate.
USA OSHA	OSHA PEL (TWA) (ppm)	40 ppm The value in mg/m <sup>3</sup> is approximate.

JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	40 mg/kg bodyweight/day
Acute - systemic effects, inhalation	260 mg/m <sup>3</sup>
Acute - local effects, dermal	260 mg/cm <sup>2</sup>
Long-term - systemic effects, dermal	40 mg/kg bodyweight/day
Long-term - local effects, dermal	260 mg/cm <sup>2</sup>
Long-term - local effects, inhalation	260 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	8 mg/kg body weight
Acute - systemic effects, inhalation	50 mg/m <sup>3</sup>
Acute - systemic effects, oral	8 mg/kg body weight
Acute - local effects, inhalation	50 mg/m <sup>3</sup>
Long-term - systemic effects, oral	8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	50 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	8 mg/kg bodyweight/day
Long-term - local effects, inhalation	50 mg/m <sup>3</sup>
PNEC (Water)	

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PNEC aqua (freshwater)	154 mg/l
PNEC aqua (marine water)	15.4 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	570.4 mg/kg dwt
PNEC (Soil)	
PNEC soil	23.5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/kg

### 8.2. Exposure controls

Appropriate engineering controls : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.



Materials for protective clothing : Wear suitable protective clothing and gloves.

Hand protection : Wear suitable protective clothing and gloves.

Eye protection : Wear eye protection. Chemical goggles or face shield with safety glasses.

Skin and body protection : Wear suitable protective clothing, gloves and eye/face protection.

Respiratory protection : In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.

Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

*The properties listed below are for the solvent, the main component of this mixture.*

Physical state : Liquid

Appearance : Liquid

Molecular mass : 32.04 g/mol

Color : Colorless

Odor : Pungent

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : -98 °C (-144 °F)

Freezing point : No data available

Boiling point : 64.7 °C (148.5 °F)

Flash point : 9.7 °C (49.5 °F) - closed cup

Auto-ignition temperature : 455 °C (851 °F) at 1,013 hPa (760 mmHg)

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : 130.3 hPa (97.7 mmHg) at 20 °C (68 °F); 169.27 hPa (126.96 mmHg) at 25 °C (77 °F)

Vapor pressure at 50 °C : 546.6 hPa (410 mmHg) at 50 °C (122 °F)

Relative vapor density at 20 °C : 1.11

Relative density : No data available

Specific gravity / density : 0.791 g/ml at 25 °C (77 °F)

Solubility : Water: Completely miscible

Log Pow : -0.77

Log Kow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : Product is not explosive.

Oxidizing properties : Non oxidizing material according to EC criteria.

Explosion limits : 6 - 36 % (V)

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### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Vapors may form flammable mixture with air. Highly flammable liquid and vapor.

### 10.2. Chemical stability

See storage and expiration date on CoA.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Acid anhydrides. Acid chlorides. Oxidizing agent. Alkali Metal Amides. Reducing agents. Acids.

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled.

JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL	
LD50 oral rat	1187 - 2769 mg/kg
LD50 dermal rabbit	17100 mg/kg
LC50 inhalation rat (mg/l)	128.2 mg/l/4h ; 87.6 mg/l - 6 h
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (vapors)	3.000 mg/l/4h
ATE CLP (dust, mist)	128.200 mg/l/4h
LDLO, oral, human	143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
4-NITROPHENOL (13C6, 99%) (100-02-7 (Unlabeled))	
LD50 oral rat	202 mg/kg Remarks: Behavioral:Somnolence (general depressed activity). Behavioral: Convulsions or effect on seizure threshold. Lungs, Thorax, or Respiration: Dyspnea.
LD50 dermal rat	1024 mg/kg
ATE CLP (oral)	202.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (dust, mist)	1.500 mg/l/4h
ISOPROPYL PARABEN (ISOPROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (4191-73-5 (Unlabeled))	
ATE CLP (oral)	500.000 mg/kg body weight
N-PROPYL PARABEN (N-PROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-13-3 (Unlabeled))	
LD50 oral rat	> 5000 mg/kg (OECD Test Guideline 401)
ISOBUTYL PARABEN (ISOBUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (4247-02-3 (Unlabeled))	
LD50 oral rat	2600 mg/kg
N-BUTYL PARABEN (N-BUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-26-8 (Unlabeled))	
LD50 oral	13200 mg/kg - Mouse
BISPHENOL AF (RING-13C12, 99%) (1478-61-1 (Unlabeled))	
LD50 oral rat	3400 mg/kg Gastrointestinal:Other changes. Liver: Other Changes. Kidney, Ureter, Bladder: Other changes.
ATE CLP (oral)	3400.000 mg/kg body weight
3-METHYL-4-NITROPHENOL (13C6, 99%) (2581-34-2 (Unlabeled))	
LD50 oral rat	1200 mg/kg
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h

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<b>3-METHYL-4-NITROPHENOL (13C6, 99%) (2581-34-2 (Unlabeled))</b>	
ATE CLP (dust, mist)	1.500 mg/l/4h
<b>OXYBENZONE (PHENYL-13C6, 99%) (131-57-7 (unlabeled))</b>	
LD50 oral rat	7400 mg/kg
ATE CLP (oral)	7400.000 mg/kg body weight
<b>BISPHENOL S (13C12, 98%) (80-09-1 (Unlabeled))</b>	
LD50 oral rat	4556 mg/kg
LD50 dermal rabbit	> 10250 mg/kg
ATE CLP (oral)	4556.000 mg/kg body weight
<b>METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (99-76-3 (unlabeled))</b>	
LD50 oral rat	2100 mg/kg (OCED Test Guideline 401)
ATE CLP (oral)	2100.000 mg/kg body weight
<b>ETHYL PARABEN (ETHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (120-47-8 (Unlabeled))</b>	
LD50 oral rat	> 3100 mg/kg (OECD Test Guideline 401)
<b>N-HEPTYL PARABEN (N-HEPTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (1085-12-7 (Unlabeled))</b>	
LD50	mg/kg
<b>4-TERT-OCTYLPHENOL (RING-13C6, 99%) (1173020-24-0)</b>	
LD50 oral rat	> 2000 mg/kg male and female (OECD Test Guideline 401)
<b>P-N-NONYLPHENOL (RING-13C6, 99%) (104-40-5 (Unlabeled))</b>	
LD50 oral rat	1620 mg/kg
ATE CLP (oral)	1620.000 mg/kg body weight
<b>BISPHENOL F (RING-13C12, 99%) (620-92-8 (Unlabeled))</b>	
LD50 oral rat	4950 mg/kg
ATE CLP (oral)	4950.000 mg/kg body weight
<b>TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER) (3380-34-5 (Unlabeled))</b>	
LD50 oral rat	3700 mg/kg
LD50 dermal rabbit	9300 mg/kg
ATE CLP (oral)	3700.000 mg/kg body weight
<b>4-ISOPROPYL-3-METHYLPHENOL (ISOPROPYL-13C3, 99%) (3228-02-2 (Unlabeled))</b>	
LD50 oral rat	6280 mg/kg - Mouse ; Remarks : Peripheral Nerve and Sensation: Spastic paralysis with or without sensory change. Lungs, Thorax, or Respiration: Respiratory stimulation.
<b>5-ISOPROPYL-2-METHYLPHENOL (ISOPROPYL-13C3, 99%) (499-75-2 (Unlabeled))</b>	
LD50 oral rat	810 mg/kg Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Convulsions or effect on seizure threshold.
ATE CLP (oral)	500.000 mg/kg body weight
<b>2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%) (89-83-8 (Unlabeled))</b>	
LD50 oral rat	980 mg/kg - male and female
LD50 dermal rat	> 2000 mg/kg - male and female
ATE CLP (oral)	500.000 mg/kg body weight
<b>100% METHANOL UNLABELED (67-56-1)</b>	
LD50 oral rat	1187 - 2769 mg/kg
LD50 dermal rabbit	17100 mg/kg
LC50 inhalation rat (mg/l)	128.2 mg/l/4h ; 87.6 mg/l - 6 h
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (vapors)	3.000 mg/l/4h
ATE CLP (dust, mist)	128.200 mg/l/4h
LDLO, oral, human	143 mg/kg Remarks: Lungs, Thorax, or Respiration: Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))</b>	
LD50 oral rat	> 2,000 - 5,000 mg/kg - male and female - (OECD Test Guideline 401)
LD50 dermal rabbit	3000 mg/kg
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight

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<b>ACETONITRILE UNLABELED (75-05-8)</b>	
LD50 oral rat	2460 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	≥ 26.8 mg/l
LC50 inhalation rat (ppm)	7551 ppm - 8h
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	2000.000 mg/kg body weight
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h

Skin corrosion/irritation	: Skin. rabbit. Result: No skin irritation
Serious eye damage/irritation	: Eyes. rabbit. Result: No eye irritation
Respiratory or skin sensitization	: Maximisation Test . Guinea pig. Did not cause sensitization. (OECD 406 method)
Germ cell mutagenicity	: AMES test : S. typhimurium. Result: negative. fibroblast. Result: Negative. Mutation in mammalian somatic cells. Mutagenicity (in vivo mammalian bone-marrow cystogenetic test, chromosomal analysis) - Mouse - male and female Result: negative. Mouse - male and female. Result: Negative
Carcinogenicity	: Not classified
Reproductive toxicity	: Damage to fetus not classifiable. Fertility classification not possible from current data.
Specific target organ toxicity – single exposure	: Causes damage to organs through prolonged or repeated exposure Causes damage to organs
Specific target organ toxicity – repeated exposure	: The substance or mixture is not classified as specific target organ toxicant, repeated exposure. No data available

<b>4-TERT-OCTYLPHENOL (RING-13C6, 99%) (1173020-24-0)</b>	
LOAEL (oral,rat,90 days)	150 mg/kg bodyweight/day male and female - No observed adverse effect level

<b>TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER) (3380-34-5 (Unlabeled))</b>	
LOAEL (oral,rat,90 days)	75 mg/kg bodyweight/day Rat - male and female - No observed adverse effect level. LOAEL 200 mg/kg
LOAEL (dermal,rat/rabbit,90 days)	> 80 mg/kg bodyweight/day Rat - male and female - No observed adverse effect level.

<b>2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%) (89-83-8 (Unlabeled))</b>	
Additional information	Repeated dose toxicity Rat - male and female - Oral - NOAEL : 8 mg/kg

<b>BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))</b>	
LOAEL (oral,rat,90 days)	600 mg/kg bodyweight/day male and female - OECD Test Guideline 407

Aspiration hazard	: No aspiration toxicity classification.
Potential Adverse human health effects and symptoms	: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Effects due to Ingestion may include: Headache. Dizziness. Drowsiness. metabolic acidosis. Coma. May be fatal if swallowed and enters airways. If swallowed there is a risk of blindness. Effects on humans. stomach.
Symptoms/effects after inhalation	: Toxic if inhaled.
Symptoms/effects after skin contact	: Toxic in contact with skin. Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: Toxic if swallowed.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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<b>JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL</b>	
LC50 fish 1	15400 mg/l mortality LC50 - Lepomis macrochirus (Bluegill) - 96 h
EC50 Daphnia 1	> 10000 mg/l Daphnia magna (Water flea) - 48 h
EC50 Daphnia 2	22000 mg/l Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 96 h
NOEC (acute)	7900 mg/l Oryzias latipes - 200 h

<b>4-NITROPHENOL (13C6, 99%) (100-02-7 (Unlabeled))</b>	
LC50 fish 1	26.7 - 31.3 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h

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<b>4-NITROPHENOL (13C6, 99%) (100-02-7 (Unlabeled))</b>	
LC50 other aquatic organisms 1	30.4 - 67 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	3.1 - 24 mg/l Daphnia magna (Water flea) - 48 h
EC50 other aquatic organisms 1	11 mg/l - 48 h
LC50 fish 2	3.8 - 18 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
NOEC (chronic)	5.31 mg/l Oncorhynchus mykiss (rainbow trout) - 14 d
<b>N-PROPYL PARABEN (N-PROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-13-3 (Unlabeled))</b>	
LC50 fish 1	6.4 mg/l Danio rerio - 96 h (OECD Test Guideline 203)
EC50 Daphnia 1	15.4 mg/l Daphnia magna - 48 h (ISO 6341)
EC50 other aquatic organisms 1	7.6 mg/l Pseudokirchneriella subcapitata - 72 h (OECD Test Guideline 201)
<b>3-METHYL-4-NITROPHENOL (13C6, 99%) (2581-34-2 (Unlabeled))</b>	
LC50 fish 1	8.4 mg/l Oryzias latipes - 48 h
EC50 Daphnia 1	33 mg/l Daphnia magna (Water flea) - 24 h
<b>METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (99-76-3 (unlabeled))</b>	
LC50 fish 1	59.5 mg/l Oryzias latipes - 96 h
EC50 Daphnia 1	41.1 mg/l Daphnia magna (water flea) - 48 h
<b>ETHYL PARABEN (ETHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (120-47-8 (Unlabeled))</b>	
LC50 fish 1	15 mg/l Danio rerio (Zebra fish) - 96 h
EC50 Daphnia 1	10 - 20 mg/l Daphnia magna (Water flea) - 48 h
EC50 other aquatic organisms 1	37 mg/l Pseudokirchneriella subcapitata (green algae) - 72 h
<b>4-TERT-OCTYLPHENOL (RING-13C6, 99%) (1173020-24-0)</b>	
LC50 fish 1	0.293 mg/l static test - Fundulus heteroclitus - 96 h
ErC50 (algae)	1.9 mg/l static test - Selenastrum capricornutum (green algae) - 96 h
<b>P-N-NONYLPHENOL (RING-13C6, 99%) (104-40-5 (Unlabeled))</b>	
LC50 fish 1	1.4 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	0.18 mg/l Daphnia magna (Water flea) - 24 h
ErC50 (algae)	0.243 mg/l Algae - 4 Months
<b>TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER) (3380-34-5 (Unlabeled))</b>	
LC50 fish 1	0.288 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 Daphnia 1	0.39 mg/l Daphnia magna (Water flea) - 48 h
<b>2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%) (89-83-8 (Unlabeled))</b>	
LC50 fish 1	4.7 mg/l - Oryzias latipes - 96.0 h (OECD Test Guideline 203)
LC50 other aquatic organisms 1	4.5 mg/l Immobilization LC50 - Daphnia magna (Water flea) - 48 h (OECD Test Guideline 202)
ErC50 (algae)	14 mg/l Growth inhibition EC50 - Pseudokirchneriella subcapitata (green algae) - 72 h (OECD Test Guideline 201)
<b>100% METHANOL UNLABELED (67-56-1)</b>	
LC50 fish 1	15400 mg/l mortality LC50 - Lepomis macrochirus (Bluegill) - 96 h
EC50 Daphnia 1	> 10000 mg/l Daphnia magna (Water flea) - 48 h
EC50 Daphnia 2	22000 mg/l Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 96 h
NOEC (acute)	7900 mg/l Oryzias latipes - 200 h
<b>BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))</b>	
LC50 fish 1	4.6 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 Daphnia 1	3.9 mg/l Daphnia magna (Water Flea) - 48 h
<b>ACETONITRILE UNLABELED (75-05-8)</b>	
LC50 fish 1	1640 mg/l Pimephales promelas (fathead minnow) - 96h
EC50 Daphnia 1	3600 mg/l Daphnia magna (Water flea) - 48h
NOEC (chronic)	640 mg/l Daphnia magna (Water flea) - 14d

### 12.2. Persistence and degradability

<b>JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL</b>	
Biochemical oxygen demand (BOD)	600 - 1200 mg/g
Chemical oxygen demand (COD)	1420 mg/g
ThOD	1500 mg/g
Biodegradation	72 % - rapidly biodegradable aerobic - Exposure time 5 d



# JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL

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<b>4-NITROPHENOL (13C6, 99%) (100-02-7 (Unlabeled))</b>	
Persistence and degradability	Aerobic - exposure time: 28 d.
Biodegradation	Result: 90 % - Readily biodegradable
<b>N-PROPYL PARABEN (N-PROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-13-3 (Unlabeled))</b>	
Biodegradation	Result: - Readily biodegradable
<b>OXYBENZONE (PHENYL-13C6, 99%) (131-57-7 (unlabeled))</b>	
Persistence and degradability	Not available.
<b>METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (99-76-3 (unlabeled))</b>	
Persistence and degradability	Biodegradability: Result: 89 % - Readily biodegradable. Aerobic - exposure time: 28 d.
<b>ETHYL PARABEN (ETHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (120-47-8 (Unlabeled))</b>	
Biodegradation	88.4 % Readily biodegradable.
<b>3,4,4'-TRICHLOROCARBANILIDE (4'-CHLOROPHENYL-13C6, 99%) (TRICLOCARBAN) (101-20-2 (Unlabeled))</b>	
Persistence and degradability	Not available.
<b>4-TERT-OCTYLPHENOL (RING-13C6, 99%) (1173020-24-0)</b>	
Persistence and degradability	Aerobic - exposure time: 28 d. Biodegradability Result: 0 % - According to the results of tests of biodegradability this product is not readily biodegradable.
<b>TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER) (3380-34-5 (Unlabeled))</b>	
Persistence and degradability	Aerobic - exposure time: 28 d. May cause long-term adverse effects in the environment.
Biodegradation	37 % Not readily biodegradable.
<b>2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%) (89-83-8 (Unlabeled))</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.
Biodegradation	83 % - Readily biodegradable. aerobic - Exposure time 28 d (OECD Test Guideline 302B)
<b>100% METHANOL UNLABELED (67-56-1)</b>	
Biochemical oxygen demand (BOD)	600 - 1200 mg/g
Chemical oxygen demand (COD)	1420 mg/g
ThOD	1500 mg/g
Biodegradation	72 % - rapidly biodegradable aerobic - Exposure time 5 d
<b>BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))</b>	
Biodegradation	89 % aerobic - Exposure time 28 d - - Readily biodegradable - (OECD Test Guideline 301F)
<b>ACETONITRILE UNLABELED (75-05-8)</b>	
Persistence and degradability	Biodegradability Result: - Readily biodegradable.
<b>12.3. Bioaccumulative potential</b>	
<b>JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL</b>	
BCF fish 1	5 mg/l Cyprinus carpio (Carp) - 72 d at 20 °C
Bioconcentration factor (BCF REACH)	1
Log Pow	-0.77
<b>4-NITROPHENOL (13C6, 99%) (100-02-7 (Unlabeled))</b>	
BCF fish 1	0.0441 mg/l Pimephales promelas (fathead minnow) - 28 d
Bioconcentration factor (BCF REACH)	280
Log Pow	1.91
<b>ISOPROPYL PARABEN (ISOPROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (4191-73-5 (Unlabeled))</b>	
Log Pow	2.342
<b>N-PROPYL PARABEN (N-PROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-13-3 (Unlabeled))</b>	
Log Pow	2.5 - 3
<b>ISOBUTYL PARABEN (ISOBUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (4247-02-3 (Unlabeled))</b>	
Log Pow	3.113
<b>OXYBENZONE (PHENYL-13C6, 99%) (131-57-7 (unlabeled))</b>	
Bioaccumulative potential	Not available.
<b>METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (99-76-3 (unlabeled))</b>	
Log Pow	1.98
Bioaccumulative potential	No data available.
<b>ETHYL PARABEN (ETHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (120-47-8 (Unlabeled))</b>	
Log Pow	2.47

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<b>3,4,4'-TRICHLOROCARBANILIDE (4'-CHLOROPHENYL-13C6, 99%) (TRICLOCARBAN) (101-20-2 (Unlabeled))</b>	
Log Pow	5.786
Bioaccumulative potential	Not available.
<b>4-TERT-OCTYLPHENOL (RING-13C6, 99%) (1173020-24-0)</b>	
BCF fish 1	0.0047 mg/l Oryzias latipes - 48 h
Bioconcentration factor (BCF REACH)	261 (OECD Test Guideline 305)
Log Pow	4.8 at 22 °C (72 °F)
<b>P-N-NONYLPHENOL (RING-13C6, 99%) (104-40-5 (Unlabeled))</b>	
Bioconcentration factor (BCF REACH)	1300
Log Pow	5.76
Bioaccumulative potential	Gasterosteus aculeatus - 16 d.
<b>TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER) (3380-34-5 (Unlabeled))</b>	
Log Pow	4.7
<b>2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%) (89-83-8 (Unlabeled))</b>	
BCF fish 1	1 µg/l - Oryzias latipes
Bioconcentration factor (BCF REACH)	48 (OECD Test Guideline 305C)
Log Pow	3.3
<b>100% METHANOL UNLABELED (67-56-1)</b>	
BCF fish 1	5 mg/l Cyprinus carpio (Carp) - 72 d at 20 °C
Bioconcentration factor (BCF REACH)	1
Log Pow	-0.77
<b>BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))</b>	
BCF fish 1	0.015 mg/l Cyprinus carpio (Carp) - 42 d
Bioconcentration factor (BCF REACH)	0 20 - 67
Log Pow	3.4 at 21.5 °C (70.7 °F)
<b>ACETONITRILE UNLABELED (75-05-8)</b>	
Log Pow	-0.34
Bioaccumulative potential	No bioaccumulation is to be expected (log Pow <= 4).
<b>12.4. Mobility in soil</b>	
<b>JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL</b>	
Ecology - soil	Not degradable in the soil.
<b>4-NITROPHENOL (13C6, 99%) (100-02-7 (Unlabeled))</b>	
Ecology - soil	No data available.
<b>OXYBENZONE (PHENYL-13C6, 99%) (131-57-7 (unlabeled))</b>	
Ecology - soil	Not available.
<b>METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (99-76-3 (unlabeled))</b>	
Ecology - soil	No data available.
<b>3,4,4'-TRICHLOROCARBANILIDE (4'-CHLOROPHENYL-13C6, 99%) (TRICLOCARBAN) (101-20-2 (Unlabeled))</b>	
Ecology - soil	Not available.
<b>100% METHANOL UNLABELED (67-56-1)</b>	
Ecology - soil	Not degradable in the soil.
<b>BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))</b>	
Ecology - soil	Not available.
<b>ACETONITRILE UNLABELED (75-05-8)</b>	
Ecology - soil	Not expected to absorb on soil.
<b>12.5. Results of PBT and vPvB assessment</b>	
<b>JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL</b>	
PBT: not relevant – no registration required	
<b>P-N-NONYLPHENOL (RING-13C6, 99%) (104-40-5 (Unlabeled))</b>	
This substance/mixture does not meet the PBT criteria of REACH, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII	
<b>5-ISOPROPYL-2-METHYLPHENOL (ISOPROPYL-13C3, 99%) (499-75-2 (Unlabeled))</b>	
PBT: not relevant – no registration required	

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### 100% METHANOL UNLABELED (67-56-1)

PBT: not relevant – no registration required

#### 12.6. Other adverse effects

Other adverse effects : Avoid release to the environment.  
Other information : Stability in water: at 19 °C - (83 - 91%) - 72 h. Remarks: Hydrolyses on contact with water. Hydrolyses readily.

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.  
Product/Packaging disposal recommendations : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.  
Ecology - waste materials : Dispose of as unused product.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No.(DOT) : 1230  
DOT NA no. UN1230

#### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Methanol  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (DOT) : 3 - Flammable liquid  
6.1 - Poison



DOT Symbols : + - Fixes (cannot be altered) proper shipping name, hazard class, and packing group, I - Proper shipping name appropriate for international and domestic transportation  
Packing group (DOT) : II - Medium Danger  
DOT Special Provisions (49 CFR 172.102) : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.  
T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)  
TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202  
DOT Packaging Bulk (49 CFR 173.xxx) : 242

#### 14.3. Additional information

Emergency Response Guide (ERG) Number : 131  
Other information : No supplementary information available.

#### Overland transport

Hazard identification number (Kemler No.) : 336  
Orange plates :



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Tunnel restriction code (ADR) : D/E  
Limited quantities (ADR) : 11  
Excepted quantities (ADR) : E2

### Transport by sea

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.  
DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"  
MFAG-No : 131

### Air transport

DOT Quantity Limitations Passenger aircraft/rail : 1 L  
(49 CFR 173.27)  
DOT Quantity Limitations Cargo aircraft only (49 : 60 L  
CFR 175.75)  
Civil Aeronautics Law : Flammable liquids

### 14.4. Environmental hazards

Other information : No supplementary information available.

### 14.5. Special precautions for user

### 14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
CERCLA RQ	5000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
4-NITROPHENOL (13C6, 99%) (100-02-7 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
ISOPROPYL PARABEN (ISOPROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (4191-73-5 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
N-PROPYL PARABEN (N-PROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-13-3 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
ISOBUTYL PARABEN (ISOBUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (4247-02-3 (Unlabeled))	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313

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<b>N-BUTYL PARABEN (N-BUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-26-8 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>BISPHENOL AF (RING-13C12, 99%) (1478-61-1 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>3-METHYL-4-NITROPHENOL (13C6, 99%) (2581-34-2 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>OXYBENZONE (PHENYL-13C6, 99%) (131-57-7 (unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>BISPHENOL S (13C12, 98%) (80-09-1 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>BENZYL PARABEN (BENZYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-18-8 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>N-PENTYL PARABEN (N-PENTYL 4-HYDROXYBENZOATE) (13C6, 99%) (6521-29-5 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (99-76-3 (unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>ETHYL PARABEN (ETHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (120-47-8 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>3,4,4'-TRICHLOROCARBANILIDE (4'-CHLOROPHENYL-13C6, 99%) (TRICLOCARBAN) (101-20-2 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 313
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>N-HEPTYL PARABEN (N-HEPTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (1085-12-7 (Unlabeled))</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>4-TERT-OCTYLPHENOL (RING-13C6, 99%) (1173020-24-0)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.

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<b>4-TERT-OCTYLPHENOL (RING-13C6, 99%) (1173020-24-0)</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>P-N-NONYLPHENOL (RING-13C6, 99%) (104-40-5 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>BISPHENOL F (RING-13C12, 99%) (620-92-8 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER) (3380-34-5 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313
<b>4-ISOPROPYL-3-METHYLPHENOL (ISOPROPYL-13C3, 99%) (3228-02-2 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>5-ISOPROPYL-2-METHYLPHENOL (ISOPROPYL-13C3, 99%) (499-75-2 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%) (89-83-8 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.
<b>100% METHANOL UNLABELED (67-56-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
CERCLA RQ	5000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
<b>BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Subject to reporting requirements of United States SARA Section 302
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313
<b>ACETONITRILE UNLABELED (75-05-8)</b>	
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of United States SARA Section 302
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313



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### 15.2. International regulations

#### CANADA

##### JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL

Listed on the Canadian DSL (Domestic Substances List)

##### 100% METHANOL UNLABELED (67-56-1)

Listed on the Canadian DSL (Domestic Substances List)

#### 15.2.1. National regulations

##### N-HEPTYL PARABEN (N-HEPTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (1085-12-7 (Unlabeled))

Listed on the Canadian NDSL (Non-Domestic Substances List)

##### 100% METHANOL UNLABELED (67-56-1)

### 15.3. US State regulations

#### JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL()

U.S. - California - Proposition 65 - Carcinogens List	No
U.S. - California - Proposition 65 - Developmental Toxicity	Yes
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No
State or local regulations	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

#### 4-NITROPHENOL (13C6, 99%) (100-02-7 (Unlabeled))

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

#### ISOPROPYL PARABEN (ISOPROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (4191-73-5 (Unlabeled))

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

#### N-PROPYL PARABEN (N-PROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-13-3 (Unlabeled))

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

#### ISOBUTYL PARABEN (ISOBUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (4247-02-3 (Unlabeled))

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

#### N-BUTYL PARABEN (N-BUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-26-8 (Unlabeled))

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

# JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL

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<b>BISPHENOL AF (RING-13C12, 99%) (1478-61-1 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>3-METHYL-4-NITROPHENOL (13C6, 99%) (2581-34-2 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>OXYBENZONE (PHENYL-13C6, 99%) (131-57-7 (unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>BISPHENOL S (13C12, 98%) (80-09-1 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>BENZYL PARABEN (BENZYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-18-8 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>N-PENTYL PARABEN (N-PENTYL 4-HYDROXYBENZOATE) (13C6, 99%) (6521-29-5 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (99-76-3 (unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>ETHYL PARABEN (ETHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (120-47-8 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>3,4,4'-TRICHLOROCARBANILIDE (4'-CHLOROPHENYL-13C6, 99%) (TRICLOCARBAN) (101-20-2 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>N-HEPTYL PARABEN (N-HEPTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (1085-12-7 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

# JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL

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<b>N-HEPTYL PARABEN (N-HEPTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (1085-12-7 (Unlabeled))</b>				
		Female	Male	
No	No	No	No	
<b>4-TERT-OCTYLPHENOL (RING-13C6, 99%) (1173020-24-0)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>P-N-NONYLPHENOL (RING-13C6, 99%) (104-40-5 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>BISPHENOL F (RING-13C12, 99%) (620-92-8 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER) (3380-34-5 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>4-ISOPROPYL-3-METHYLPHENOL (ISOPROPYL-13C3, 99%) (3228-02-2 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>5-ISOPROPYL-2-METHYLPHENOL (ISOPROPYL-13C3, 99%) (499-75-2 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%) (89-83-8 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>100% METHANOL UNLABELED (67-56-1)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	No	No	
<b>BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)

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<b>BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))</b>				
No	No	Yes	No	
<b>ACETONITRILE UNLABELED (75-05-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	
<b>4-NITROPHENOL (13C6, 99%) (100-02-7 (Unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
<b>ISOPROPYL PARABEN (ISOPROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (4191-73-5 (Unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
<b>N-PROPYL PARABEN (N-PROPYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-13-3 (Unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List				
<b>ISOBUTYL PARABEN (ISOBUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (4247-02-3 (Unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List				
<b>N-BUTYL PARABEN (N-BUTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-26-8 (Unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
<b>BISPHENOL AF (RING-13C12, 99%) (1478-61-1 (Unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List				
<b>3-METHYL-4-NITROPHENOL (13C6, 99%) (2581-34-2 (Unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
<b>OXYBENZONE (PHENYL-13C6, 99%) (131-57-7 (unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
<b>BISPHENOL S (13C12, 98%) (80-09-1 (Unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
<b>BENZYL PARABEN (BENZYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (94-18-8 (Unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List				
<b>N-PENTYL PARABEN (N-PENTYL 4-HYDROXYBENZOATE) (13C6, 99%) (6521-29-5 (Unlabeled))</b>				
<b>State or local regulations</b>				
U.S. - Pennsylvania - RTK (Right to Know) List				

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<b>N-PENTYL PARABEN (N-PENTYL 4-HYDROXYBENZOATE) (13C6, 99%) (6521-29-5 (Unlabeled))</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
<b>METHYL PARABEN (METHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (99-76-3 (unlabeled))</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>ETHYL PARABEN (ETHYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (120-47-8 (Unlabeled))</b>
<b>State or local regulations</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
<b>3,4,4'-TRICHLOROCARBANILIDE (4'-CHLOROPHENYL-13C6, 99%) (TRICLOCARBAN) (101-20-2 (Unlabeled))</b>
<b>State or local regulations</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
<b>N-HEPTYL PARABEN (N-HEPTYL 4-HYDROXYBENZOATE) (RING-13C6, 99%) (1085-12-7 (Unlabeled))</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>4-TERT-OCTYLPHENOL (RING-13C6, 99%) (1173020-24-0)</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>P-N-NONYLPHENOL (RING-13C6, 99%) (104-40-5 (Unlabeled))</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>BISPHENOL F (RING-13C12, 99%) (620-92-8 (Unlabeled))</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>TRICLOSAN (13C12, 99%) (2',4,4'-TRICHLORO-2-HYDROXYDIPHENYL ETHER) (3380-34-5 (Unlabeled))</b>
<b>State or local regulations</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
<b>4-ISOPROPYL-3-METHYLPHENOL (ISOPROPYL-13C3, 99%) (3228-02-2 (Unlabeled))</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>5-ISOPROPYL-2-METHYLPHENOL (ISOPROPYL-13C3, 99%) (499-75-2 (Unlabeled))</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>2-ISOPROPYL-5-METHYLPHENOL (ISOPROPYL-13C3, 99%) (89-83-8 (Unlabeled))</b>
<b>State or local regulations</b>
U.S. - Pennsylvania - RTK (Right to Know) List U.S. - New Jersey - Right to Know Hazardous Substance List
<b>100% METHANOL UNLABELED (67-56-1)</b>
<b>State or local regulations</b>
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S. - Massachusetts - Right To Know List

# JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL

ES-5629

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 100% METHANOL UNLABELED (67-56-1)

U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

### BISPHENOL A (RING-13C12, 99%) (80-05-7 (Unlabeled))

#### State or local regulations

U.S. - Massachusetts - Right To Know List  
U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - New Jersey - Right to Know Hazardous Substance List

### ACETONITRILE UNLABELED (75-05-8)

#### State or local regulations

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Other information : This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Full text of R-, H- and EUH-phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 3 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Repr. 2	Reproductive toxicity Category 2
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H301	Toxic if swallowed
H302	Harmful if swallowed
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation



# JECS PHENOL/PARABEN CLEAN-UP STANDARD (13C, 99%; D, 98%) IN METHANOL

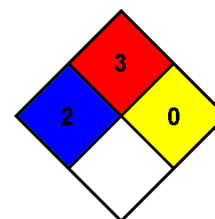
ES-5629

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R11	Highly flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R21/22	Harmful in contact with skin and if swallowed
R22	Harmful if swallowed
R25	Toxic if swallowed
R34	Causes burns
R35	Causes severe burns
R36	Irritating to eyes
R36/37/38	Irritating to eyes, respiratory system and skin
R36/38	Irritating to eyes and skin
R37	Irritating to respiratory system
R38	Irritating to skin
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R41	Risk of serious damage to eyes
R43	May cause sensitization by skin contact
R48/20/21	Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R62	Possible risk of impaired fertility
R63	Possible risk of harm to the unborn child
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
T	Toxic
Xi	Irritant
Xn	Harmful

- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

- Health : 2 Moderate Hazard - Temporary or minor injury may occur
- Flammability : 3 Serious Hazard
- Physical : 0 Minimal Hazard

### CIL Mixture SDS

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*