

## 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
 Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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 Supersedes: 11/02/2016
 Version: 1.1

 ES-5562

<b>SECTION 1: Identificatio</b>	n of the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixtures
Product name	: HD METABOLITES NATIVE STANDARD 100 UG/ML IN METHANOL
Product code	: ES-5562
1.2. Relevant identified us	ses of the substance or mixture and uses advised against
1.2.1. Relevant identified us	Ses
Industrial/Professional use spec	: For professional use only
1.2.2. Uses advised agains	t
No additional information availab	le
1.3. Details of the supplie	r of the safety data sheet
Cambridge Isotope Laboratories	, Inc.
50 Frontage Road Andover, MA 01810	
USA	
USA: 1-800-322-1174 Int: 1-9	78-749-8000
cilsales@isotope.com www.is	otope.com
Emergency telephone	e number
Emergency numbers:	
Chemtrec: 1-800-424-9300 (24 International: 1-703-741-5970 (	
<b>SECTION 2: Hazards ide</b>	ntification
2.1. Classification of the	substance or mixture
	substance or mixture gulation (EC) No. 1272/2008 [CLP]
Classification according to Re	gulation (EC) No. 1272/2008 [CLP]
Classification according to Re Flam. Liq. 2	gulation (EC) No. 1272/2008 [CLP] H225
<b>Classification according to Re</b> Flam. Liq. 2 Acute Tox. 3 (Oral)	gulation (EC) No. 1272/2008 [CLP] H225 H301 H311
Classification according to Re Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal)	gulation (EC) No. 1272/2008 [CLP] H225 H301 H311
Classification according to Re Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation:vapour)	gulation (EC) No. 1272/2008 [CLP] H225 H301 H311 H331
Classification according to Re Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation:vapour) Skin Irrit. 2	gulation (EC) No. 1272/2008 [CLP] H225 H301 H311 H331 H315
Classification according to Re Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation:vapour) Skin Irrit. 2 Eye Irrit. 2	gulation (EC) No. 1272/2008 [CLP] H225 H301 H311 H331 H315 H319 H370
Classification according to Re Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation:vapour) Skin Irrit. 2 Eye Irrit. 2 STOT SE 1 Full text of hazard classes and H	gulation (EC) No. 1272/2008 [CLP] H225 H301 H311 H331 H315 H319 H370
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Classification according to Re Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal) Acute Tox. 3 (Inhalation:vapour) Skin Irrit. 2 Eye Irrit. 2 STOT SE 1 Full text of hazard classes and H Classification according to Dir F; R11 T; R39/23/24/25 Xi; R36/38 Full text of R-phrases: see section GHS-US classification Flam. Liq. 2 Acute Tox. 3 (Oral) Acute Tox. 3 (Dermal)	gulation (EC) No. 1272/2008 [CLP] H225 H301 H311 H331 H315 H319 H370 H-statements : see section 16 rective 67/548/EEC [DSD] or 1999/45/EC [DPD] on 16 H225 H301 H311
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Full text of H statements : see section 16

H319

H370

Eye Irrit. 2A

STOT SE 1

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

## Adverse physicochemical, human health and environmental effects

Eyes, Kidney, Liver, Heart, Central nervous system. Highly flammable liquid and vapour. 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.

2.2. Label elements Labeling according to Regulation (EC) N	0 1272/2008 [CL P]
Hazard pictograms (CLP)	
	GHS02 GHS08 GHS06
Signal word (CLP)	: Danger
Hazard statements (CLP)	<ul> <li>H225 - Highly flammable liquid and vapour 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 (eyes, heart, kidneys, liver, central nervous system) (in contact with skin, if inhaled, if swallowed)</li> </ul>
Precautionary statements (CLP)	<ul> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P233 - Keep container tightly closed.</li> <li>P240 - Ground/bond container and receiving equipment.</li> <li>P241 - Use explosion-proof electrical, lighting, ventilating equipment</li> <li>P260 - Do not breathe dust, mist, vapors, fume, gas, spray.</li> <li>P264 - Wash hands, forearms and face thoroughly after handling.</li> <li>P270 - Do not eat, drink or smoke when using this product.</li> <li>P271 - Use only outdoors or in a well-ventilated area.</li> </ul>
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS02 GHS08 GHS06
Signal word (GHS-US)	: Danger
Hazard statements (GHS-US)	<ul> <li>H225 - Highly flammable liquid and vapour</li> <li>H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled</li> <li>H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> <li>H370 - Causes damage to organs (eyes, kidneys, liver, heart, central nervous system) (Dermal Inhalation, oral)</li> </ul>
Precautionary statements (GHS-US)	<ul> <li>P210 - Keep away from heat, open flames, sparks No smoking.</li> <li>P233 - Keep container tightly closed.</li> <li>P240 - Ground/Bond container and receiving equipment</li> <li>P241 - Use explosion-proof electrical, lighting, ventilating equipment</li> <li>P242 - Use only non-sparking tools.</li> <li>P243 - Take precautionary measures against static discharge.</li> <li>P260 - Do not breathe dust, fume, mist, gas, spray, vapors.</li> <li>P261 - Avoid breathing dust, fume, gas, spray, vapors, mist.</li> <li>P264 - Wash hands, forearms and face thoroughly after handling.</li> <li>P270 - Do not eat, drink or smoke when using this product.</li> <li>P271 - Use only outdoors or in a well-ventilated area.</li> <li>P280 - Wear protective clothing, protective gloves.</li> <li>P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER</li> <li>P302+P352 - If on skin: Wash with plenty of water</li> <li>P303+P361+P333 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower</li> <li>P304+P340 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P307+P311 - If exposed: Call a poison center/doctor</li> </ul>
	P311 - Call a doctor, a POISON CENTER
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P312 - Call a doctor, a POISON CENTER if you feel unwell
P321 - Specific treatment (see Hazardous component(s) for labeling on this label)
P322 - Specific treatment (see Hazard pictograms (CLP) 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.
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry extinguishing powder 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	99.987359	F; R11 T; R39/23/24/25 Xi; R36/38
THIODIGLYCOL SULFONE UNLABELED	(CAS-No.) 2580-77-0 (EC-No.) 219-948-3	0.013	R42
THIODIGLYCOL SULFOXIDE UNLABELED	(CAS-No.) 3085-45-8	0.013	F; R11 T; R23/24/25 Xn; R68/20/21/22
1,4-DITHIANE UNLABELED	(CAS-No.) 505-29-3 (EC-No.) 208-007-2	0.013	Xi; R36/37/38
1,4-THIOXANE UNLABELED	(CAS-No.) 15980-15-1 (EC-No.) 240-117-6	0.013	Xi; R36/37/38 R10
THIODIGLYCOL UNLABELED	(CAS-No.) 111-48-8 (EC-No.) 203-874-3 (EC Index-No.) 603-081-00-6	0.013	Xi; R36
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	99.987359	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
THIODIGLYCOL SULFONE UNLABELED	(CAS-No.) 2580-77-0 (EC-No.) 219-948-3	0.013	Resp. Sens. 1, H334
THIODIGLYCOL SULFOXIDE UNLABELED	(CAS-No.) 3085-45-8	0.013	Acute Tox. 4 (Oral), H302
1,4-DITHIANE UNLABELED	(CAS-No.) 505-29-3 (EC-No.) 208-007-2	0.013	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
1,4-THIOXANE UNLABELED	(CAS-No.) 15980-15-1 (EC-No.) 240-117-6	0.013	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
THIODIGLYCOL UNLABELED	(CAS-No.) 111-48-8 (EC-No.) 203-874-3 (EC Index-No.) 603-081-00-6	0.013	Eye Irrit. 2, H319

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

Name	Product identifier	%	GHS-US classification
100% METHANOL UNLABELED	(CAS-No.) 67-56-1	99.987359	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

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.	
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	s, both acute and delayed	
Symptoms/effects after inhalation	: Toxic if inhaled.	
Symptoms/effects after skin contact	: Toxic in contact with skin. Causes skin irritation.	
	: Causes serious eye irritation.	
Symptoms/effects after ingestion	: Toxic if swallowed.	
	attention and appoint tractment peopled	
	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 subs	stance or mixture	
	: Highly flammable liquid and vapour.	
	: Vapors may form flammable mixture with air. Highly flammable liquid and vapour.	
5.3. Advice for firefighters		
<b>U</b>	: Do not enter fire area without proper protective equipment, including respiratory protection.	
	: Do not attempt to take action without suitable protective equipment. Self-contained breathing	
Protection during firefighting	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 equ	ipment 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.	
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".	
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		
	: Dike and contain spill.	

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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	
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.
Precautions for safe handling	: No open flames. No smoking. Use only non-sparking tools. Avoid breathing dust, mist or spray.
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash Both hands thoroughly after handling.
7.2. Conditions for safe storage, including	ng any incompatibilities
Technical measures	<ul> <li>Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.</li> </ul>
Storage conditions	: Store refrigerated (-5 C to 5 C). Protect from light.
Incompatible materials	: Heat sources.
7.3. Specific end use(s)	
No additional information available	

## SECTION 8: Exposure controls/personal protection

8.1. Control parameters		
HD METABOLITES NATIVE	STANDARD 100 UG/ML 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/m³)	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/m³)	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/m³)	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/m3 is approximate. Skin notation.

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100% METHANOL UNLABEL	ED (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)
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/m³)	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)
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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/m3 is approximate. Skin notation.

HD METABOLITES NATIVE STANDARD 100 UG/ML 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/m³	
Acute - systemic effects, oral	8 mg/kg body weight	
Acute - local effects, inhalation	50 mg/m³	
Long-term - systemic effects,oral	8 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	50 mg/m³	
Long-term - systemic effects, dermal	8 mg/kg bodyweight/day	
Long-term - local effects, inhalation	50 mg/m³	
PNEC (Water)		
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)		

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HD METABOLITES NATIVE STANDARD 100 UG/ML IN METHANOL	
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 comport	ent of this mixture.
Physical state	: Liquid
Appearance	: Liquid
Molecular mass	: 32.04 g/mol
Color	: Colorless
Odor	: Pungent
Odor threshold	: No data available
рН	: 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)
9.2. Other information	

9.2. Other information

Reactivity

## No additional information available

# **SECTION 10: Stability and reactivity**

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

10.1.

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10.2. Chemical stability	
See storage and expiration date on CoA.	
10.3. Possibility of hazardous reactions	
No dangerous reactions known under normal co	onditions of use.
10.4. Conditions to avoid	
Avoid contact with hot surfaces. Heat. No flame	s, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials	
Acid anhydrides. Acid chlorides. Oxidizing agen	t. Alkali Metal Amides. Reducing agents. Acids.
10.6. Hazardous decomposition products	S
Carbon oxides (CO, CO2).	
SECTION 11: Toxicological information	tion
11.1. Information on toxicological effects	
Acute toxicity	: Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation:vapour: Toxic if inhaled.
HD METABOLITES NATIVE STANDARD 100	
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//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.
THIODIGLYCOL UNLABELED (111-48-8)	
LD50 oral rat	6610 mg/kg
LD50 dermal rabbit	23640 mg/kg
ATE CLP (oral)	98.000 mg/kg body weight
ATE CLP (dermal)	112.000 mg/kg body weight
ATE CLP (gases)	625.000 ppmV/4h
ATE CLP (vapors)	2.000 mg/l/4h
ATE CLP (dust, mist)	2.000 mg/l/4h
1,4-DITHIANE UNLABELED (505-29-3)	
LD50 oral rat	2768 mg/kg Behavioral: Ataxia. Lungs, Thorax, or Respiration: Dyspnea.
1,4-THIOXANE UNLABELED (15980-15-1)	
LD50 oral rat	2830 mg/kg
100% METHANOL UNLABELED (67-56-1)	·
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.
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. tymphimurium. 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.
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: Causes damage to organs through prolonged or repeated exposure Causes damage to organs
: The substance or mixture is not classified as specific target organ toxicant, repeated exposure. No data available
: No aspiration toxicity classification.
: 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.
: Toxic if inhaled.
: Toxic in contact with skin. Causes skin irritation.
: Causes serious eye irritation.
: Toxic if swallowed.

SECTION 12: Ecological i	nformation
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
HD METABOLITES NATIVE ST	ANDARD 100 UG/ML IN METHANOL

LC50 fish 1	15400 mg/l mortality LC50 - Lepomis machrochirus (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	
THIODIGLYCOL UNLABELED (111-48-8)		
LC50 fish 1	> 10000 mg/l Leuciscus idus (Golden orfe) - 96 h	
EC50 Daphnia 1	> 500 mg/l Daphnia magna (Water flea) - 48 h	
EC50 other aquatic organisms 1	> 500 mg/l Desmodesmus subspicatus (Scenedesmus subspicatus) - 72 h	
1,4-DITHIANE UNLABELED (505-29-3)		
EC50 Daphnia 1	23.2 mg/l Daphnia magna (Water flea) - 24 h	
100% METHANOL UNLABELED (67-56-1)		
LC50 fish 1	15400 mg/l mortality LC50 - Lepomis machrochirus (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	

## 12.2. Persistence and degradability

HD METABOLITES NATIVE STANDARD 100 UG/ML IN METHANOL		
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	
THIODIGLYCOL UNLABELED (111-48-8)		
Persistence and degradability	Aerobic - exposure time: 28 d.	
Biochemical oxygen demand (BOD)	105 g O <sub>2</sub> /g substance	
Chemical oxygen demand (COD)	1.894 g O <sub>2</sub> /g substance	
BOD (% of ThOD)	< 30.0% - Not readily biodegradable	
100% METHANOL UNLABELED (67-56-1)		
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	
12.3. Bioaccumulative potential		
HD METABOLITES NATIVE STANDARD 100 UG/ML IN METHANOL		
BCF fish 1	5 mg/l Cyprinus carpio (Carp) - 72 d at 20 °C	

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HD METABOLITES NATIVE STANDARD 100 UG/ML IN METHANOL		
Bioconcentration factor (BCF REACH)	1	
Log Pow	-0.77	
THIODIGLYCOL UNLABELED (111-48-8)		
Log Pow	-0.75	
THIODIGLYCOL SULFOXIDE UNLABELED (3085-45-8)		
Log Pow	-1.699	
100% METHANOL UNLABELED (67-56-1)		
BCF fish 1	5 mg/l Cyprinus carpio (Carp) - 72 d at 20 °C	
Bioconcentration factor (BCF REACH)	1	
Log Pow	-0.77	
12.4. Mobility in soil		
HD METABOLITES NATIVE STANDARD 100	UG/ML IN METHANOL	
Ecology - soil	Not degradable in the soil.	
100% METHANOL UNLABELED (67-56-1)		
Ecology - soil	Not degradable in the soil.	
12.5. Results of PBT and vPvB assessme		
HD METABOLITES NATIVE STANDARD 100		
PBT: not relevant – no registration required		
· · · ·		
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 consideration		
	5	
13.1. Waste treatment methods	5	
	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> </ul>	
13.1. Waste treatment methods	: Waste materials should be disposed of under conditions which meet Federal, State, and local	
13.1.         Waste treatment methods           Regional legislation (waste)	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / AD	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / AD         14.1.       UN number	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / AD         14.1.       UN number         UN-No.(DOT)	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / AD         14.1.       UN number	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / AD         14.1.       UN number         UN-No.(DOT)	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / AE         14.1.       UN number         UN-No.(DOT)         DOT NA no.	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / AD         14.1.       UN number         UN-No.(DOT)         DOT NA no.         14.2.       UN proper shipping name	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / AD         14.1.       UN number         UN-No.(DOT)         DOT NA no.         14.2.       UN proper shipping name         Proper Shipping Name (DOT)	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / AE         14.1.       UN number         UN-No.(DOT)         DOT NA no.         14.2.       UN proper shipping name         Proper Shipping Name (DOT)         Class (DOT)	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
<ul> <li>13.1. Waste treatment methods Regional legislation (waste) Product/Packaging disposal recommendations Ecology - waste materials SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / AE 14.1. UN number UN-No.(DOT) DOT NA no. 14.2. UN proper shipping name Proper Shipping Name (DOT) Class (DOT) Hazard labels (DOT)</li></ul>	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	
13.1.       Waste treatment methods         Regional legislation (waste)         Product/Packaging disposal recommendations         Ecology - waste materials         SECTION 14: Transport information         In accordance with ADR / RID / IMDG / IATA / AE         14.1.       UN number         UN-No.(DOT)         DOT NA no.         14.2.       UN proper shipping name         Proper Shipping Name (DOT)         Class (DOT)	<ul> <li>Waste materials should be disposed of under conditions which meet Federal, State, and local environmental control regulations.</li> <li>Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.</li> <li>Dispose of as unused product.</li> </ul>	

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DOT Special Provisions (49 CFR 172.102)	<ul> <li>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.</li> <li>T7 - 4 178.274(d)(2) Normal</li></ul>
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	
Packing group (ADR)	: 11
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 336
Classification code (ADR)	: FT1
Hazard labels (ADR)	: 3 - Flammable liquids 6.1 - Toxic substances
Orange plates	336
	1230
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 (49 CFR 173.27)	: 1L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
Civil Aeronautics Law	: Flammable liquids
14.4. Environmental hazards	
Other information	: No supplementary information available.

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## 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

<b>SECTION 15: Regulatory information</b>		
15.1. US Federal regulations		
HD METABOLITES NATIVE STANDARD 100 U	JG/ML 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	
100% METHANOL UNLABELED (67-56-1)		
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	

## 15.2. International regulations

## CANADA

HD METABOLITES NATIVE STANDARD 100 UG/ML IN METHANOL	
Listed on the Canadian DSL (Domestic Substances List)	
100% METHANOL UNLABELED (67-56-1)	

## 15.2.1. National regulations

No additional information available

## 15.3. US State regulations

HD METABOLITES NATIVE STANDARD 100 UG/ML 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	
100% METHANOL UNLABELED (67-56-1)		

100% WETHANOL UNLADE	LED (07-30-1)			
U.S California -	U.S California -	U.S California -	U.S California -	No significant risk level
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	Reproductive Toxicity - Female	Reproductive Toxicity - Male	
No	Yes	No	No	

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

## 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

## 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:

text of R-, H- and EUH-phrases:		
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) 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 (Oral)	Acute toxicity (oral) Category 4	
Eye Irrit. 2	Serious eye damage/eye irritation Category 2	
Flam. Liq. 2	Flammable liquids Category 2	
Flam. Liq. 3	Flammable liquids Category 3	
Resp. Sens. 1	Respiratory sensitization, Category 1	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
STOT SE 1	Specific target organ toxicity (single exposure) Category 1	
STOT SE 3	Specific target organ toxicity (single exposure) Category 3	
H225	Highly flammable liquid and vapour	
H226	Flammable liquid and vapour	
H301	Toxic if swallowed	
H302	Harmful if swallowed	
H311	Toxic in contact with skin	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H331	Toxic if inhaled	
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled	
H335	May cause respiratory irritation	
H370	Causes damage to organs	
R10	Flammable	
R11	Highly flammable	
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed	
R36	Irritating to eyes	
R36/37/38	Irritating to eyes, respiratory system and skin	
R36/38	Irritating to eyes and skin	
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed	
R42	May cause sensitization by inhalation	
R68/20/21/22	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed	
F	Highly flammable	
Т	Toxic	
Xi	Irritant	
Xn	Harmful	

NFPA health hazard

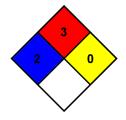
NFPA fire hazard

NFPA reactivity

: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions.

: 0 - Material that in themselves are normally stable, even under fire conditions.



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## **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