

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 /

Rules and Regulations

Date of issue: 18/05/2015 Revision date: : Version: 1.0

CLM-1911-S

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

1.1. Product identifier

Product form : Mixtures

Product name. : CARBOFURAN (RING-13C6, 99%) 100 UG/ML IN 1,4-DIOXANE

Product code : CLM-1911-S

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

1.2.1. Relevant identified uses

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 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 Eye Irrit. 2 H319 Carc. 2 H351 STOT SE 3 H335

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.3; R40 F; R11 Xn; R20/21 Xi; R36/37 R19

Full text of R-phrases: see section 16

Classification (GHS-US)

Flam. Liq. 2 H225 Eye Irrit. 2A H319 Carc. 2 H351 STOT SE 3 H335

Adverse physicochemical, human health and environmental effects

Liver, Kidney, Central nervous system.

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Label elements

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

Hazard pictograms (CLP)

Precautionary statements (CLP)







GHS07

Signal word (CLP) : Danger

Hazardous ingredients : 1.4-DIOXANE (P-DIOXANE) UNLABELED H225 - Highly flammable liquid and vapor Hazard statements (CLP) H319 - Causes serious eye irritation H335 - May cause respiratory irritation

> H351 - Suspected of causing cancer 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, lighting, ventilating equipment P261 - Avoid breathing dust, fume, gas, mist, spray, vapors P264 - Wash Both hands thoroughly after handling P271 - Use only outdoors or in a well-ventilated area

P280 - Wear eye protection, face protection, protective clothing, protective gloves

: EUH019 - May form explosive peroxides **EUH** phrases

GHS-US labeling

Hazard pictograms (GHS-US)







CHSUS

GHS08

Signal word (GHS-US) : Danger

: H225 - Highly flammable liquid and vapor Hazard statements (GHS-US)

H319 - Causes serious eye irritation H335 - May cause respiratory irritation

H351 - Suspected of causing cancer (Dermal, Inhalation, oral)

P201 - Obtain special instructions before use Precautionary statements (GHS-US)

> P202 - Do not handle until all safety precautions have been read and understood P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical, lighting, ventilating equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge P261 - Avoid breathing dust, fume, gas, mist, spray, vapors P264 - Wash Both hands thoroughly after handling

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear eye protection, protective gloves, face protection, protective clothing P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated

clothing. Rinse skin with water/shower

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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

P308+P313 - IF exposed or concerned: Get medical advice/attention P312 - Call a POISON CENTER/doctor/physician if you feel unwell P337+P313 - If eye irritation persists: Get medical advice/attention

P370+P378 - In case of fire: Use Alcohol resistant foam., Dry chemical., Carbon dioxide., Water spray for extinction

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 Comply with applicable regulations.

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Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Not applicable

3.2. Mixtures			
Name	Product identifier	%	Classification according to Directive 67/548/EEC
1,4-DIOXANE (P-DIOXANE) UNLABELED	(CAS No) 123-91-1 (EC no) 241-628-7 (EC index no) 603-024-00-5	99.9903	Carc.Cat.3; R40 F; R11 T; R25 Xn; R20/21 Xi; R36/37 R19
CARBOFURAN (RING-13C6, 99%)	(CAS No) 1563-66-2 (unlabeled) (EC no) 216-353-0 (EC index no) 006-026-00-9	0.0097	Not classified
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,4-DIOXANE (P-DIOXANE) UNLABELED	(CAS No) 123-91-1 (EC no) 241-628-7 (EC index no) 603-024-00-5	99.9903	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 Aquatic Chronic 4, H413
CARBOFURAN (RING-13C6, 99%)	(CAS No) 1563-66-2 (unlabeled) (EC no) 216-353-0 (EC index no) 006-026-00-9	0.0097	Acute Tox. 1 (Oral), H300 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation:dust,mist), H330 Aquatic Acute 1, H400 (M=100)
Name	Product identifier	%	Classification (GHS-US)
1,4-DIOXANE (P-DIOXANE) UNLABELED	(CAS No) 123-91-1	99.9903	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335 Aquatic Chronic 4, H413

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

SECTION 4: First aid measures

Description of first aid measures

: Consult a physician. Show this safety data sheet to the doctor in attendance. First-aid measures general

First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CENTER/doctor/physician if you feel unwell.

: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. First-aid measures after skin contact

First-aid measures after eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Rinse mouth. Obtain emergency medical attention. Immediately call a POISON CENTER or First-aid measures after ingestion

doctor/physician.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May be harmful if absorbed through the skin. Causes skin irritation.

Symptoms/injuries after eye contact : Causes eye irritation.

Symptoms/injuries after ingestion Toxic if swallowed. Swallowing a small quantity of this material will result in serious health

hazard.

Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

Extinguishing media

suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

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Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapor.

Explosion hazard : May form flammable/explosive vapor-air mixture. Reactivity : Vapors may form explosive mixture with air.

Advice for firefighters

Firefighting instructions : Use water spray to cool unopened containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures

: Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No

6.1.1. For non-emergency personnel

Emergency procedures : Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours

accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.1.2. For emergency responders

No additional information available

Environmental precautions

Avoid release to the environment.

Methods and material for containment and cleaning up

: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-For containment brushing and place in container for disposal according to local regulations.

Reference to other sections

No additional information available

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling No naked lights. No smoking. Use only non-sparking tools. Obtain special instructions before

use. Do not handle until all safety precautions have been read and understood. Use only

outdoors or in a well-ventilated area.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before Hygiene measures

breaks and at the end of workday.

Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond

container and receiving equipment. Use explosion-proof electrical equipment.

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

Incompatible materials : Heat sources.

Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

Control parameters

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20.0000000000 ppm Liver damage. Confirmed animal carcinogen with unknown relevance to humans.
USA OSHA	OSHA PEL (TWA) (ppm)	25.0000000000 ppm Skin notation. Skin designation.

CARBOFURAN (RING-13C6, 99%) (1563-66-2 (unlabeled))		
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m³)	0.1000000000 mg/m³ Cholinesterase inhibition.Substance for which there is a Biological Exposure Ind

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8.2. Exposure controls

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









Hand protection : Wear suitable protective clothing and gloves.

Eye protection : Wear safety glasses with side shields (or goggles) and a face shield. Skin and body protection : Wear suitable protective clothing, gloves and eye/face protection. Respiratory protection : When appropriate, use NIOSH/CEN approved respirator.

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 : 88.11

Color : Colourless.

Odor : No data available.

Odor threshold : No data available

pH : 6.0 - 8 at 500 g/l at 20 °C (68 °F)

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

Melting point : 10 - 12 °C (50 -54 °F) - lit.

Freezing point : No data available

Boiling point : $100 - 102 \,^{\circ}\text{C} \, (212 - 216 \,^{\circ}\text{F}) - \text{lit.}$ Flash point : $12 \,^{\circ}\text{C} \, (54 \,^{\circ}\text{F}) - \text{closed cup}$

Self ignition temperature : No data available Decomposition temperature : No data available

Flammability (solid, gas) : Highly flammable liquid and vapor

Vapor pressure : 36 hPa (27 mmHg) at 20 °C (68 °F), 53 hPa (40 mmHg) at 25.20 °C (77.36 °F)

Relative vapor density at 20 °C : 3.04 - (Air = 1.0)
Relative density : No data available

Solubility : Water: completely miscible

Log Pow : -.27

Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosive limits : 2 - 22 % (V)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Vapors may form explosive mixture with air.

10.2. Chemical stability

See storage and expiration date on CoA.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Open flame. Direct sunlight.

10.5. Incompatible materials

Acids, OxidiOxygen, Oxidizing agents, Halogens, Reducing agents, Perchlorates,. Trimethylaluminum.

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May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

CARBOFURAN (RING-13C6, 99%) 100 UG/ML IN 1,4-DIOXANE			
LD50 oral rat	4200 mg/kg		
LD50 dermal rabbit	7858 mg/kg		
LC50 inhalation rat (mg/l)	46000 mg/m³ 2 h - Sense Organs and Special Senses (Nose, Eye, Ear and Taste)		
ATE (oral)	4200.000 mg/kg body weight		
ATE (dermal)	7858.000 mg/kg body weight		
ATE (vapors)	46.000 mg/l/4h		
ATE (dust, mist)	46.000 mg/l/4h		

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)	
LD50 oral rat	4200 mg/kg
LD50 dermal rabbit	7858 mg/kg
LC50 inhalation rat (mg/l)	46000 mg/m³ 2 h - Sense Organs and Special Senses (Nose, Eye, Ear and Taste)
ATE (oral)	100.000 mg/kg body weight
ATE (dermal)	7858.000 mg/kg body weight
ATE (dust, mist)	1.500 mg/l/4h

CARBOFURAN (RING-13C6, 99%) (1563-66-2 (unlabeled))	
LD50 oral rat	5 mg/kg
LD50 dermal rabbit	885 mg/kg
LC50 inhalation rat (mg/l)	85 mg/m³
ATE (oral)	5.000 mg/kg body weight
ATE (dermal)	885.000 mg/kg body weight
ATE (vapors)	0.085 mg/l/4h
ATE (dust, mist)	0.085 mg/l/4h

Skin corrosion/irritation : Not classified

Skin - Human - Chronic exposure causes drying effect on skin and eczema.

pH: 6.0 - 8 at 500 g/l at 20 °C (68 °F)

Serious eye damage/irritation : Causes serious eye irritation.

Eyes - rabbit - Eye irritation - 24 h pH: 6.0 - 8 at 500 g/l at 20 °C (68 °F)

Respiratory or skin sensitization : Not available

No data available

Germ cell mutagenicity : Laboratory experiments have shown mutagenic effects.

Carcinogenicity : This product is or contains a component that has been reported to be possibly carcinogenic

based on its IARC, ACGIH, NTP, or EPA classification. Limited evidence of carcinogenicity in

animal studies.

Reproductive toxicity : Not available

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

May cause respiratory irritation.

Specific target organ toxicity (repeated

exposure)

: Not classified

No data available

Aspiration hazard : No Potential Adverse human health effects and : To

symptoms

: Not classified: Toxic if swallowed.

IARC group : 2B

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : May be harmful if absorbed through the skin. Causes skin irritation.

Symptoms/injuries after eye contact : Causes eye irritation.

Symptoms/injuries after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health

hazard.

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SECTION 12: Ecological information			
12.1. Toxicity			
Ecology - water	: May cause long lasting harmful effects to aquatic life.		
CARBOFURAN (RING-13C6, 99%) 100 UG/ML	CARBOFURAN (RING-13C6, 99%) 100 UG/ML IN 1,4-DIOXANE		
LC50 fish 1	985 mg/l Pimephales promelas (fathead minnow) - 96 h		
EC50 Daphnia 1	8450 mg/l Daphnia magna (Water flea) - 24 h		
ErC50 (algae)	Desmodesmus subspicatus (green algae) - 72 h		
1,4-DIOXANE (P-DIOXANE) UNLABELED (123	-91-1)		
LC50 fish 1	985 mg/l Pimephales promelas (fathead minnow) - 96 h		
EC50 Daphnia 1	8450 mg/l Daphnia magna (Water flea) - 24 h		
ErC50 (algae)	Desmodesmus subspicatus (green algae) - 72 h		
CARBOFURAN (RING-13C6, 99%) (1563-66-2)	(unlabeled))		
LC50 fish 1	0.38 mg/l Oncorhynchus mykiss(rainbow trout) - 96 h		
EC50 Daphnia 1	0.0018 mg/l Daphnia magna (Water flea) - 48 h		
NOEC (chronic)	0.001 mg/l Daphnia - 7 d		
TTOLO (GINGINO)	0.001 mg// Bapilina 1 a		
12.2. Persistence and degradability			
CARBOFURAN (RING-13C6, 99%) 100 UG/ML	IN 1.4-DIOXANE		
Persistence and degradability	May cause long-term adverse effects in the environment.		
1,4-DIOXANE (P-DIOXANE) UNLABELED (123	·		
Persistence and degradability	Biodegradability: Result: < 5 % - Not readily biodegradable.		
CARBOFURAN (RING-13C6, 99%) (1563-66-2	(unlabeled))		
Persistence and degradability	Not available.		
12.3. Bioaccumulative potential			
CARBOFURAN (RING-13C6, 99%) 100 UG/ML	IN 1,4-DIOXANE		
Log Pow	27		
Bioaccumulative potential	Not available.		
1,4-DIOXANE (P-DIOXANE) UNLABELED (123	-91-1)		
Log Pow	27		
Bioaccumulative potential	Not available.		
CARBOFURAN (RING-13C6, 99%) (1563-66-2)	(unlabeled))		
Bioaccumulative potential	Not available.		
12.4. Mobility in soil			
CARBOFURAN (RING-13C6, 99%) 100 UG/ML	IN 4 4 DIOVANIE		
Ecology - soil	Not available.		
1,4-DIOXANE (P-DIOXANE) UNLABELED (123 Ecology - soil	Not available.		
CARBOFURAN (RING-13C6, 99%) (1563-66-2)	"		
Ecology - soil	Not available.		
2.5. Results of PBT and vPvB assessment			
No additional information available			
12.6. Other adverse effects			
	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal		
SECTION 13: Disposal considerations			

waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Handle empty containers with care because residual vapors are flammable.

Ecology - waste materials : Hazardous waste due to toxicity.

Waste treatment methods

Regional legislation (waste)

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: Waste materials should be disposed of under conditions which meet Federal, State, and Local

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SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

UN-No.(DOT) : 1165 DOT NA no. UN1165

14.2. UN proper shipping name

DOT Proper Shipping Name : Dioxane

Department of Transportation (DOT) Hazard

Classes

Hazard labels (DOT) : 3 - Flammable liquid



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.

T4 - 2.65 178.274(d)(2) Normal...... 178.275(d)(3)

: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

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

Other information : No supplementary information available.

Overland transport

Packing group (ADR) : II

Class (ADR) : 3 - Flammable liquid

Hazard identification number (Kemler No.) : 33 Classification code (ADR) : F1

Danger labels (ADR) : 3 - Flammable liquids



Orange plates :

33 1165

Tunnel restriction code : D/E
Limited quantities (ADR) 1L
EAC : •2YE
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

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.

MFAG-No : 127

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DOT Quantity Limitations Passenger aircraft/rail : 5 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 60 L

CFR 175.75)

Civil Aeronautics Law : Flammable liquids

Environmental hazards

Other information : No supplementary information available.

Special precautions for user 14.5.

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

CARBOFURAN (RING-13C6, 99%) 100 UG/ML IN 1,4-DIOXANE		N 1,4-DIOXANE
	Listed on SARA Section 313 (Specific toxic chemical listings)	
	SARA Section 311/312 Hazard Classes	Fire hazard

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

Delayed (chronic) health hazard

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)

Listed on SARA Section 313 (Specific toxic chemical listings)

SARA Section 311/312 Hazard Classes Fire hazard

Immediate (acute) health hazard Delayed (chronic) health hazard

15.2. International regulations

CANADA

CARBOFURAN (RING-13C6, 99%) 100 UG/ML IN 1,4-DIOXANE

Listed on the Canadian DSL (Domestic Substances List) inventory.

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)

Listed on the Canadian DSL (Domestic Substances List) inventory.

15.2.1. **National regulations**

No additional information available

15.3. US State regulations

CARBOFURAN (RING-13C6, 99%) 100 UG/ML IN 1,4-DIOXANE()

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

WARNING! This product contains a chemical known by the state of California to cause cancer.

1,4-DIOXANE (P-DIOXANE) UNLABELED (123-91-1)

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

WARNING! This product contains a chemical known by the state of California to cause cancer.

SECTION 16: Other information

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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 it, if and Loff philases	
Acute Tox. 1 (Oral)	Acute toxicity (oral) Category 1
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 4	Hazardous to the aquatic environment - Chronic Hazard Category 4
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H300	Fatal if swallowed
H301	Toxic if swallowed
H311	Toxic in contact with skin
H319	Causes serious eye irritation
H330	Fatal if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H400	Very toxic to aquatic life
H413	May cause long lasting harmful effects to aquatic life
R11	Highly flammable
R19	May form explosive peroxides
R20/21	Harmful by inhalation and in contact with skin
R25	Toxic if swallowed
R36/37	Irritating to eyes and respiratory system
R40	Limited evidence of a carcinogenic effect
F	Highly flammable
Т	Toxic
Xi	Irritant
Xn	Harmful

NFPA health hazard : 2 - Intense or continued e

: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt

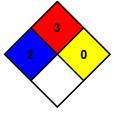
medical attention is given.

NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all

ambient conditions.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions,

and are not reactive with water.



HMIS III 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

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