



CND Retention + Nail Sculpting Liquid

Safety Data Sheet

Prepared in accordance to UN GHS standards. Intended to comply with OSHA 29CFR1910.1200, Canadian WHMIS, and Australian WorkSafe.

Date Revised: Dec 5 2014

Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name. : CND Retention + Nail Sculpting Liquid

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

Use of the substance/mixture : Cosmetics, personal care products
Professional use only.

1.3. Details of the supplier of the safety data sheet

Creative Nail Design, Inc.
1125 Joshua Way
92081 Vista, CA - USA
T +1 (760) 599-2900

1.4. Emergency telephone number

Emergency number : +1 (800) 424-9300 - CHEMTREC (US and Canada)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with the Globally Harmonized Standard and regulations referenced above.

Flam. Liq. 3 H226
Skin Irrit. 2 H315
Eye Irrit. 2A H319
Skin Sens. 1 H317
STOT SE 3 H335

Full text of H-phrases: see section 16

Canadian WHMIS Classification

Class B Division 2 - Flammable Liquid
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

2.2. Label elements

GHS label Elements: applies to OSHA 29CFR1910.1200 ; Canadian WHMIS, and Australian WorkSafe.

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS02

GHS07

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H226 - Flammable liquid and vapour
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

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
P261 - Avoid breathing mist/vapours/spray

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P264 - Wash hands thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302+P303+P352+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower, with plenty of soap and water.
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
P312 - Call a POISON CENTER or doctor/physician if you feel unwell
P321 - Specific treatment (see Section 4 on this label)
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P370+P378 - In case of fire: Use carbon dioxide, powder, alcohol resistant-foam, or water fog for extinction
P233 - Keep container tightly closed
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local and national regulations

Labelling according to Canadian WHMIS

Class B Division 2 - Flammable Liquid

Class D Division 2 Subdivision B - Toxic material causing other toxic effects



2.3. Other hazards

For handling bulk quantities (>5 liters):

P240 - Ground/bond container and receiving equipment

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

P242 - Use only non-sparking tools

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Only components contributing to the hazard classification and/or with OELs are listed below. Exact compositions are withheld due to business confidentiality.

(Full text of H-phrases: see section 16)

Name	Product identifier	%	Classification (UN-GHS): US and Australia,	Classification (WHMIS) Canada
Ethyl Methacrylate	(CAS No) 97-63-2 (Listed on Canada DSL) (Listed on Australian AICS)	72.7988	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Hydroxypropyl Methacrylate	(CAS No) 27813-02-1 (Listed on Canada DSL) (Listed on Australian AICS)	9.534276	Eye Irrit. 2A, H319 Skin Sens. 1, H317	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
PEG-4 Dimethylacrylate	(CAS No) 109-17-1 (Listed on Canada DSL) (Listed on Australian AICS)	8.78592	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Drometrizole	(CAS No) 2440-22-4 (Listed on Canada DSL) (Listed on Australian AICS)	0.42	Skin Sens. 1, H317 Aquatic Chronic 1, H410	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

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|--------------------------------------|--|
| First-aid measures after eye contact | : Rinse cautiously with water for several 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 | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

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

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| Symptoms/injuries after inhalation | : May cause an allergic skin reaction. May cause respiratory irritation. |
| Symptoms/injuries after skin contact | : Causes skin irritation. Prolonged or repeated contact may cause skin to become dry or cracked. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. |

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

All treatments should be based on observed signs and symptoms of distress in the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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| Suitable extinguishing media | : If there is a fire close by, use suitable extinguishing agents: Carbon dioxide (CO2), powder, alcohol-resistant foam, water fog. |
| Unsuitable extinguishing media | : None known. |

5.2. Special hazards arising from the substance or mixture

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|------------------|--|
| Fire hazard | : Flammable liquid and vapour. |
| Explosion hazard | : May form flammable/explosive vapour-air mixture. For quantities >5 liters, heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form flammable/explosive vapor-air mixture. |

5.3. Advice for firefighters

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| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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| General measures | : Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking. |
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6.1.1. For non-emergency personnel

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|----------------------|--|
| Protective equipment | : Avoid all eyes and skin contact and do not breathe vapor and mist. Wear suitable gloves resistant to chemical penetration: butyl rubber. |
| Emergency procedures | : Avoid all unnecessary exposure. Stop leak without risks if possible. Ventilate area. Evacuate unnecessary personnel. |

6.1.2. For emergency responders

- | | |
|----------------------|--|
| Protective equipment | : Avoid all eyes and skin contact and do not breathe vapor and mist : Safety glasses, Gloves: butyl rubber |
| Emergency procedures | : Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|--|
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|--|

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | |
|-----------------------------------|---|
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable. |
| Precautions for safe handling | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. No smoking. Avoid breathing mist/vapours/spray. Use only outdoors or in a well-ventilated area.

For handling bulk quantities (>5 liters): Provide good ventilation in process area to prevent formation of vapour. No naked lights. Take precautionary measures against static discharge. Use only non-sparking tools. |
| Hygiene measures | : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. |

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7.2. 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/ventilating/lighting equipment.
Storage conditions	: Keep container tightly closed. Keep only in the original container in a cool well ventilated place.
Incompatible products	: None known

7.3. Specific end use(s)

Cosmetics, personal care products. Professional use only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Appropriate engineering controls	: Either local exhaust or general room ventilation is usually required. No special work practices are needed beyond the above recommendations under anticipated conditions of normal use.
Hand protection	: Gloves: recommended primarily for large-scale (industrial) operations, versus end-users for professional applications. Wear suitable gloves resistant to chemical penetration. rubber.



Eye protection	: When eye contact due to splashing is possible, wear goggles.
Skin and body protection	: Wear suitable protective clothing. Impervious clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment with organic vapor cartridges.
Other information	: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear
Colour	: Translucent violet.
Odour	: Acrylic-like
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -75 °C / 198.15 K
Freezing point	: No data available
Boiling point	: 101 °C / 374.15 K
Flash point	: 24.4 °C / 297.55 K
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C / 293.15 K	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1 Likely Routes of Exposure

Dermal, inhalation

11.2 Symptoms Related to Physical, Chemical and Toxicological Characteristics

Eye and skin irritation

11.3 Effects from Exposure

Skin sensitization

11.4. Information on toxicological effects

Acute toxicity : Not classified

Ethyl Methacrylate (97-63-2)	
LD50 oral rat	13424 mg/kg
LD50 dermal rat	> 9100 mg/kg
LC50 inhalation rat (mg/l)	55 mg/l/4h
ATE (oral)	13424.000 mg/kg bodyweight
ATE (vapours)	55.000 mg/l/4h
ATE (dust,mist)	55.000 mg/l/4h
Hydroxypropyl Methacrylate (27813-02-1)	
LD50 oral rat	11200 mg/kg
LD50 dermal rat	>= 3000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE (oral)	11200.000 mg/kg bodyweight
Drometrizole (2440-22-4)	
LD50 oral rat	10000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 590 mg/m ³
ATE (oral)	10000.000 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Based on available data, the classification criteria are not met
Carcinogenicity : Based on available data, the classification criteria are not met

Ethyl Methacrylate (97-63-2)	
NOAEL (chronic,oral, animal/male,2 years)	30 mg/kg bodyweight
Hydroxypropyl Methacrylate (27813-02-1)	
NOAEL (chronic,oral, animal/male,2 years)	300 mg/kg bodyweight
Drometrizole (2440-22-4)	
NOAEL (chronic,oral, animal/male,2 years)	100 mg/kg bodyweight

Reproductive toxicity : Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure) : May cause respiratory irritation.

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Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met

Aspiration hazard : Based on available data, the classification criteria are not met

11.5. Carcinogenicity Lists

No components of this product are included on any state or national carcinogen lists.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

Ethyl Methacrylate (97-63-2)	
LC50 fishes 1	100 mg/l 96h
EC50 Daphnia 1	> 66 mg/l 48h
EC50 other aquatic organisms 1	> 110 mg/l 72h
NOEC (acute)	28 mg/l 96h
NOEC chronic fish	9.4 mg/l
Hydroxypropyl Methacrylate (27813-02-1)	
LC50 fishes 1	493 mg/l 48h
EC50 Daphnia 1	> 143 mg/l
Drometrizole (2440-22-4)	
LC50 fishes 1	> 0.17 mg/l
EC50 Daphnia 1	> 1000 mg/l
LOEC (chronic)	0.041 mg/l 21d
NOEC (acute)	0.17 mg/l
NOEC chronic crustacea	0.013 mg/l 21d

12.2. Persistence and degradability

CND Retention + Nail Sculpting Liquid	
Persistence and degradability	May cause long-term adverse effects in the environment.
Ethyl Methacrylate (97-63-2)	
Biodegradation	79.1 %
Hydroxypropyl Methacrylate (27813-02-1)	
Persistence and degradability	Readily biodegradable.
Biodegradation	94.2 % after 28 days
Drometrizole (2440-22-4)	
Biodegradation	84.3 % 28 days

12.3. Bioaccumulative potential

CND Retention + Nail Sculpting Liquid	
Bioaccumulative potential	Not established.
Hydroxypropyl Methacrylate (27813-02-1)	
BCF	3.2
Log Pow	0.97
Drometrizole (2440-22-4)	
BCF	<= 2000 l/kg
Log Pow	4.2 @ 25C
Trimethylolpropane Trimethacrylate (3290-92-4)	
BCF fish 2	366 l/kg
Bioconcentration factor (BCF REACH)	0
Log Pow	2.749 - 4.193 @ 25C

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, ADGR and the CTDGR.

14.1	49 CFR (GND): CONSUMER COMMODITY, ORM-D (<= 5.0L) UN 1993, FLAMMABLE LIQUID, N.O.S. (ETHYL METHACRYLATE, STABILIZED), 3, III (> 5.0L)	
14.2	IATA (Air): CONSUMER COMMODITY, 9, ID8000 (<= 0.5L) UN 1993, FLAMMABLE LIQUID, N.O.S. (ETHYL METHACRYLATE, STABILIZED), 3, III, LTD QTY (>0.5 L, <= 5.0L) UN 1993, FLAMMABLE LIQUID, N.O.S. (ETHYL METHACRYLATE, STABILIZED), 3, III (>5.0L)	
14.3	IMDG (OCN): UN 1993, FLAMMABLE LIQUID, N.O.S. (ETHYL METHACRYLATE, STABILIZED), 3, III, LTD QTY (<= 5.0L) UN 1993, FLAMMABLE LIQUID, N.O.S. (ETHYL METHACRYLATE, STABILIZED), 3, III (> 5.0L)	
14.4	TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (<= 5.0L) UN 1993, FLAMMABLE LIQUID, N.O.S. (ETHYL METHACRYLATE, STABILIZED), 3, III (> 5.0L)	
14.5	ADR/RID (EU): UN 1993, FLAMMABLE LIQUID, N.O.S. (ETHYL METHACRYLATE, STABILIZED), 3, III, ADR, LTD QTY (<= 5.0L)	
14.6	SCT (MEXICO): UN 1993, LIQUIDOS INFLAMABLES, N.E.P. (ETHYL METHACRYLATE, STABILIZED), 3, III, CANTIDAD LIMITADA (<= 5.0L)	
14.7	ADGR (AUS): UN 1993, FLAMMABLE LIQUID, N.O.S. (ETHYL METHACRYLATE, STABILIZED), 3, III, LTD QTY (<= 5.0L)	

SECTION 15: Regulatory information

15.1. US Federal regulations

Ethyl Methacrylate (97-63-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Hydroxypropyl Methacrylate (27813-02-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

PEG-4 Dimethylacrylate (109-17-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Drometrizole (2440-22-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

CND Retention + Nail Sculpting Liquid

WHMIS Classification

Class B Division 2 - Flammable Liquid
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Listed on the Canadian DSL (Domestic Substances List) inventory

Ethyl Methacrylate (97-63-2)
Hydroxypropyl Methacrylate (27813-02-1)
PEG-4 Dimethylacrylate (109-17-1)
Drometrizole (2440-22-4)

EU-Regulations

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances

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Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances

Ethyl Methacrylate (97-63-2)
Hydroxypropyl Methacrylate (27813-02-1)
PEG-4 Dimethylacrylate (109-17-1)
Drometrizole (2440-22-4)

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

Flam. Liq. 3 H226
Skin Irrit. 2 H315
Eye Irrit. 2 H319
Skin Sens. 1 H317
STOT SE 3 H335
Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

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

R43
R10
R52/53

Full text of R-phrases: see section 16

15.2.2. National regulations

Ethyl Methacrylate (97-63-2)

Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on KECI (Chemical Inventory of Korea)
Listed on Taiwan National Chemical Inventory
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the AICS (the Australian Inventory of Chemical Substances).
Listed on New Zealand - Inventory of Chemicals (NZIoC)

Hydroxypropyl Methacrylate (27813-02-1)

Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on KECI (Chemical Inventory of Korea)
Listed on Taiwan National Chemical Inventory
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the AICS (the Australian Inventory of Chemical Substances).
Listed on New Zealand - Inventory of Chemicals (NZIoC)

PEG-4 Dimethylacrylate (109-17-1)

Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on the AICS (the Australian Inventory of Chemical Substances).
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on Taiwan National Chemical Inventory
Listed on KECI (Chemical Inventory of Korea)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on Inventory of Existing Chemical Substances (IECSC)

Drometrizole (2440-22-4)

Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the AICS (the Australian Inventory of Chemical Substances).
Listed on Taiwan National Chemical Inventory
Listed on KECI (Chemical Inventory of Korea)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on Inventory of Existing Chemical Substances (IECSC)

15.3. US State regulations

Ethyl Methacrylate (97-63-2)

U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New York - Right to Know List of Hazardous Chemicals
U.S. - Pennsylvania - List of Hazardous Substances

SECTION 16: Other information

Indication of changes : Original document.

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Data sources

- : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.
- European Chemicals Agency (ECHA) Registered Substances list. Accessed at <http://echa.europa.eu/>.
- Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.
- National Fire Protection Association; Fire Protection Guide to Hazardous Materials; 10th edition.
- TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Abbreviations and acronyms

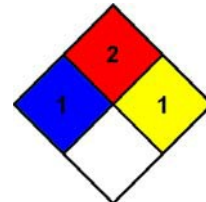
- : CAS (Chemical Abstracts Service) number.
- ATE: Acute Toxicity Estimate.
- BCF: Bioconcentration factor.
- CLP: Classification, Labelling, Packaging.
- DNEL: Derived No Effect Level.
- EC50: Environmental Concentration associated with a response by 50% of the test population.
- GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
- LD50: Lethal Dose for 50% of the test population.
- NOEC: No Observable Effect Concentration.
- OSHA: Occupational Safety & Health Administration.
- PBT: Persistent, Bioaccumulative, Toxic.
- PNEC: Predicted No Effect Level.
- TSCA: Toxic Substances Control Act.
- TWA: Time Weight Average.

Other information : None.

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



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

Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitisation Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R10	Flammable.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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