

# Safety Data Sheet

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

Date of issue: 17/02/2011 Revision date: 19/01/2018 Supersedes: 12/07/2016 Version: 3.0

NLM-426

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

1.1. Product identifier

Product form : Substance

Substance name : HYDROXYLAMINE:HCL (15N, 98%+)

 EC Index No
 : 612-123-00-2 (Unlabeled)

 EC No
 : 226-798-2 (Unlabeled)

 CAS No
 : 5470-11-1 (Unlabeled)

Product code : NLM-426
Formula : H2\*NOH-HCl

Synonyms : Hydroxylammonium chloride

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

### 1.2.1. Relevant identified uses

Main use category : Professional use

Industrial/Professional use spec : For professional use only

#### 1.2.2. Uses advised against

No additional information available

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

Cambridge Isotope Laboratories, Inc.

50 Frontage Road Andover, MA 01810

USA

USA: 1-800-322-1174 Int: 1-978-749-8000 <u>cilsales@isotope.com</u> 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]

H290 Met. Corr. 1 Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Dermal) H312 Skin Irrit. 2 H315 H319 Eye Irrit. 2 H317 Skin Sens. 1 Carc. 2 H351 STOT RE 2 H373 H400 Aquatic Acute 1 Aquatic Chronic 1 H410

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

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

Carc.Cat.3; R40 N; R50/53 Xn; R48/21/22 Xi; R36/38

Full text of R-phrases: see section 16

**GHS-US** classification

Met. Corr. 1 H290

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Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Dermal) H312 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Skin Sens. 1 H317 Carc. 2 H351 STOT RE 2 H373 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

Blood.

### **Label elements**

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

Hazard pictograms (CLP)







GHS08

GHS05

GHS09

Signal word (CLP)

: Warning

: H290 - May be corrosive to metals Hazard statements (CLP)

H302+H312 - Harmful if swallowed or in contact with skin

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation

H351 - Suspected of causing cancer (if inhaled, if swallowed, in contact with skin)

H373 - May cause damage to organs (blood, liver) through prolonged or repeated exposure (if

inhaled, if swallowed, in contact with skin)

H410 - Very toxic to aquatic life with long lasting effects

: P234 - Keep only in original container Precautionary statements (CLP)

P260 - Do not breathe dust, fume, gas, mist, spray, vapors P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product

P272 - Contaminated work clothing should not be allowed out of the workplace

P273 - Avoid release to the environment

P280 - Wear protective clothing, protective gloves

P301+P312 - IF SWALLOWED: Call a doctor, a POISON CENTER if you feel unwell

### **GHS-US** labeling

Hazard pictograms (GHS-US)







GHS08

GHS05

GHS09

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) H290 - May be corrosive to metals

H302+H312 - Harmful if swallowed or in contact with skin

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation

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

H373 - May cause damage to organs (blood, liver) through prolonged or repeated exposure

(Dermal, Inhalation, oral)

H410 - Very toxic to aquatic life with long lasting effects

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

P202 - Do not handle until all safety precautions have been read and understood

P234 - Keep only in original container

P260 - Do not breathe dust, fume, gas, mist, spray, vapors P261 - Avoid breathing dust, fume, gas, mist, spray, vapors P264 - Wash hands, forearms and face thoroughly after handling P270 - Do not eat, drink or smoke when using this product

P272 - Contaminated work clothing must not be allowed out of the workplace

P273 - Avoid release to the environment

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P280 - Wear protective clothing, protective gloves

P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell

P302+P352 - If on skin: Wash with plenty of water

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 doctor, a POISON CENTER if you feel unwell

P314 - Get medical advice/attention 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

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

P363 - Wash contaminated clothing before reuse

P390 - Absorb spillage to prevent material damage

P391 - Collect spillage

P405 - Store locked up

P406 - Store in corrosive resistant container with a resistant inner liner

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

No additional information available

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Name	Product identifier	%	Classification according to Directive 67/548/EEC
HYDROXYLAMINE:HCL (15N, 98%+)	(CAS No) 5470-11-1 (Unlabeled) (EC No) 226-798-2 (Unlabeled) (EC Index No) 612-123-00-2 (Unlabeled)	100	Carc.Cat.3; R40 N; R50/53 Xn; R48/21/22 Xi; R36/38 R43
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
HYDROXYLAMINE:HCL (15N, 98%+)	(CAS No) 5470-11-1 (Unlabeled) (EC No) 226-798-2 (Unlabeled) (EC Index No) 612-123-00-2 (Unlabeled)	100	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

Name	Product identifier	%	GHS-US classification
HYDROXYLAMINE:HCL (15N, 98%+) (Main constituent)	(CAS No) 5470-11-1 (Unlabeled)	100	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16

### 3.2. Mixtures

Not applicable

### **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

First-aid measures general

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<sup>:</sup> If you feel unwell, seek medical advice (show the label where possible). Evacuate danger area. Suspected of causing cancer (if inhaled, in contact with skin, if swallowed).

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First-aid measures after inhalation

: When symptoms occur: go into open air and ventilate suspected area. If not breathing, give artificial respiration. Get medical advice/attention.

First-aid measures after skin contact

: Wash with plenty of soap and water. Get immediate medical advice/attention. Immediately call a poison center or doctor/physician. Specific measures (see Hazard pictograms (CLP) on this label). Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Wash with plenty of soap and water, Get immediate medical advice/attention. Get medical advice/attention. Specific treatment (see Hazard pictograms (CLP) on this label). If skin irritation or rash occurs: Wash with plenty of soap and water, Get immediate medical advice/attention.

First-aid measures after eye contact

First-aid measures after ingestion

: Rinse cautiously with water for several minutes.

: Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel

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

Symptoms/injuries

: Causes damage to organs (blood, liver) (in contact with skin, if inhaled, if swallowed).

Symptoms/injuries after inhalation Symptoms/injuries after skin contact : May be harmful if inhaled. May cause respiratory irritation. May cause an allergic skin reaction.

Repeated exposure to this material can result in absorption through skin causing significant

health hazard. Harmful in contact with skin. Causes skin irritation.

Symptoms/injuries after eye contact

Symptoms/injuries after ingestion

: Causes serious eye irritation.

: Swallowing a small quantity of this material will result in serious health hazard. Toxic if

swallowed.

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

Treat symptomatically.

# **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media

: Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

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

No additional information available

# 5.3. Advice for firefighters

Firefighting instructions

: Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting

: Do not enter fire area without proper protective equipment, including respiratory protection. Wear recommended personal protective equipment.

### **SECTION 6: Accidental release measures**

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

General measures

: Container explosion may occur under fire conditions.

### 6.1.1. For non-emergency personnel

**Emergency procedures** 

: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

### 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

For containment

: Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.

Methods for cleaning up

: This material and its container must be disposed of in a safe way, and as per local legislation. Absorb spillage to prevent material damage.

### 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

: Avoid all eye and skin contact and do not breathe vapor and mist. Keep away from sources of ignition - No smoking. May be corrosive to metals.

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: Provide adequate ventilation to minimize dust and/or vapor concentrations. Avoid breathing Precautions for safe handling

vapors, mist, gas. Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood.

Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly Hygiene measures

after handling. Contaminated work clothing should not be allowed out of the workplace. Wash

contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities

Technical measures : Store in a well-ventilated place. Keep container tightly closed. Storage conditions : Store at room temperature away from light and moisture. : Store in corrosive resistant container with a resistant inner liner. Packaging materials

### Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

### **Control parameters**

No additional information available

### **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.

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

clothing

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**

# Information on basic physical and chemical properties

Physical state : Solid

**Appearance** : Crystalline solid. Molecular mass : 70.48 g/mol (Labeled)

Color : White

Odor : No data available : No data available Odor threshold

: 2.5 - 3.5 at 50 g/l at 20 °C (68 °F)

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

Melting point : 155 - 157 °C (311 - 315 °F)- dec.

Freezing point : No data available Boiling point : No data available Flash point : No data available Auto-ignition temperature : No data available

: > 150 °C (> 302 °F) - Heating may cause an explosion. Decomposition temperature

Flammability (solid, gas) : No data available Vapor pressure : No data available Relative vapor density at 20 °C : No data available

: 1.67 g/cm3 at 25 °C (77 °F) Relative density

Solubility : Water: soluble Log Pow : No data available Log Kow : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available

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: No data available Explosive properties : No data available Oxidizing properties **Explosion limits** : No data available

#### Other information

No additional information available

### **SECTION 10: Stability and reactivity**

### Reactivity

No additional information available

#### 10.2. **Chemical stability**

Stable if stored under recommended conditions.

#### Possibility of hazardous reactions

No additional information available

### **Conditions to avoid**

Moisture.

### Incompatible materials

Strong oxidizing agents, phosphorous pentachloride, Calcium. Materials to Avoid: Anhydrous copper(II) sulfate. metals. May be corrosive to metals.

### **Hazardous decomposition products**

Hydrogen chloride gas. Nitrogen oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Acute toxicity

HYDROXYLAMINE:HCL (15N, 98%+) (5470-11-1 (Unlabeled))	
LD50 oral rat	600 mg/kg
ATE CLP (oral)	600.000 mg/kg body weight
ATE CLP (dermal)	1100.000 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.

pH: 2.5 - 3.5 at 50 g/l at 20 °C (68 °F)

Serious eye damage/irritation : Causes serious eye irritation.

> pH: 2.5 - 3.5 at 50 g/l at 20 °C (68 °F) : May cause an allergic skin reaction

Respiratory or skin sensitization Germ cell mutagenicity : rat. Morphological transformation Carcinogenicity : Suspected human carcinogen(0)

: Not classified Reproductive toxicity : Not classified Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated

exposure

: May cause damage to organs (blood, liver) through prolonged or repeated exposure (if inhaled,

if swallowed, in contact with skin).

Aspiration hazard

Potential Adverse human health effects and

: Not classified

symptoms

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

Symptoms/injuries after inhalation Symptoms/injuries after skin contact : May be harmful if inhaled. May cause respiratory irritation. May cause an allergic skin reaction.

Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation.

Symptoms/injuries after eye contact

Causes serious eye irritation.

Symptoms/injuries after ingestion

Swallowing a small quantity of this material will result in serious health hazard. Toxic if

swallowed.

### **SECTION 12: Ecological information**

### **Toxicity**

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

HYDROXYLAMINE:HCL (15N, 98%+) (5470-11-1 (Unlabeled))	
LC50 fish 1	1 - 10 mg/l - Leuciscus idus (Golden orfe) - 48 h

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#### 12.2. Persistence and degradability

# HYDROXYLAMINE:HCL (15N, 98%+) (5470-11-1 (Unlabeled))

Persistence and degradability May cause long-term adverse effects in the environment.

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Other adverse effects : Environmental precautions. Very toxic to aquatic life with long lasting effects. Disposal must be

done according to official regulations.

Other information : Avoid release to the environment.

### **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and Local

environmental control regulations.

Product/Packaging disposal recommendations: : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed

professional waste disposal service to dispose of this material.

Ecology - waste materials : Dispose of as unused product.

### **SECTION 14: Transport information**

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

14.1. UN number

UN-No.(DOT) : 2923 DOT NA no. UN2923

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Corrosive solids, toxic, n.o.s.

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT) : 8 - Corrosive 6.1 - Poison





DOT Symbols : G - Identifies PSN requiring a technical name

Packing group (DOT) : III - Minor Danger

DOT Special Provisions (49 CFR 172.102) : IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid

plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).

IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner.

T1 - 1.5 178.274(d)(2) Normal...... 178.275(d)(2)

TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.

DOT Packaging Exceptions (49 CFR 173.xxx) : 154
DOT Packaging Non Bulk (49 CFR 173.xxx) : 213
DOT Packaging Bulk (49 CFR 173.xxx) : 240

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14.3. Additional information

Other information : No supplementary information available.

**Overland transport** 

EAC : 2X

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",95 - Stow "separated from" foodstuffs

MFAG-No : 154

Air transport

DOT Quantity Limitations Passenger aircraft/rail : 25 kg

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 100 kg

CFR 175.75)

Civil Aeronautics Law : Corrosive substances

### 14.4. Environmental hazards

Dangerous for the environment



Other information : No supplementary information available.

### 14.5. Special precautions for user

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

Not applicable

# **SECTION 15: Regulatory information**

### 15.1. US Federal regulations

HYDROXYLAMINE:HCL (15N, 98%+) (5470-11-1 (Unlabeled))		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard	
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.	

### 15.2. International regulations

### CANADA

# HYDROXYLAMINE:HCL (15N, 98%+) (5470-11-1 (Unlabeled))

Listed on the Canadian DSL (Domestic Substances List)

### 15.2.1. National regulations

No additional information available

### 15.3. US State regulations

HYDROXYLAMINE:HCL (15N, 98%+)(5470-11-1 (Unlabeled))		
U.S California - Proposition 65 - Carcinogens List	No	
U.S California - Proposition 65 - Developmental Toxicity	No	
U.S California - Proposition 65 - Reproductive Toxicity - Female	No	
U.S California - Proposition 65 - Reproductive Toxicity - Male	No	
State or local regulations	U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List	

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### **SECTION 16: Other information**

Other information

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

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

Acute Tox. 4 (Dermal)	A suita tarvisity (damasal) Catagamy A
Acate Tox. + (Definal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Met. Corr. 1	Corrosive to metals Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
R36/38	Irritating to eyes and skin
R40	Limited evidence of a carcinogenic effect
R43	May cause sensitization by skin contact
R48/21/22	Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

NFPA health hazard

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

NFPA fire hazard

: 0 - Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

: 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



### **HMIS III Rating**

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 0 Minimal Hazard : 1 Slight Hazard Physical

### CIL Multi-Solvent 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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