NITROBENZENE (15N, 98%+)

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: 25/02/2011 Revision date: 04/12/2017 Supersedes: 28/08/2014 Version: 3.0

NLM-1042

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

1.1. Product identifier

Product form	:	Substance
Substance name	:	NITROBENZENE (15N, 98%+)
EC Index No	:	609-003-00-7 (Unlabeled)
EC No	:	202-716-0 (Unlabeled)
CAS No	:	3681-79-6
Product code	:	NLM-1042
Formula	:	C6H5*NO2

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

1.2.1. Relevant identified uses

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

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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

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

Acute Tox. 4 (Oral)	H302
Acute Tox. 3 (Dermal)	H311
Acute Tox. 3 (Inhalation:dust,mist)	H331
Carc. 2	H351
Repr. 2	H361
STOT RE 1	H372
Aquatic Chronic 2	H411

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

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

T; R48/23/24
Carc.Cat.3; R40
Repr.Cat.3; R62
Repr.Cat.3; R63
N; R51/53
Xn; R22

Full text of R-phrases: see section 16

GHS-US classification

Flam. Liq. 4	H227
Acute Tox. 4 (Oral)	H302
Acute Tox. 3 (Dermal)	H311
Acute Tox. 3 (Inhalation)	H331
Carc. 2	H351

Repr. 2	H361
STOT RE 1	H372
Aquatic Acute 2	H401
Aquatic Chronic 2	H411

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Blood, Central nervous system, Male reproductive system, Liver, Spleen.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS08 GHS06 GHS09

Signal word (CLP) : Danger

Hazard statements (CLP) : H302 - Harmful if swallowed
H311+H331 - Toxic in contact with skin or if inhaled
H351 - Suspected of causing cancer (in contact with skin, if inhaled, if swallowed)
H361 - Suspected of damaging fertility. Suspected of damaging the unborn child (in contact with skin, if inhaled, if swallowed)
H372 - Causes damage to organs (blood) through prolonged or repeated exposure (in contact with skin, if inhaled, if swallowed)
H411 - Toxic to aquatic life with long lasting effects

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
P271 - Use only outdoors or in a well-ventilated area
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
P302+P352 - IF ON SKIN: Wash with plenty of water

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS08 GHS06 GHS09

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H227 - Combustible liquid
H302 - Harmful if swallowed
H311+H331 - Toxic in contact with skin or if inhaled
H351 - Suspected of causing cancer (Dermal, Inhalation, oral)
H361 - Suspected of damaging fertility, Suspected of damaging the unborn child (Dermal, Inhalation, oral)
H372 - Causes damage to organs (bone) through prolonged or repeated exposure (Dermal, Inhalation, oral)
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use
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
P260 - Do not breathe dust, fume, gas, spray, vapors, mist
P261 - Avoid breathing vapors, spray, mist, gas, fume, dust
P264 - Wash hands, forearms and face thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
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
P302+P352 - If on skin: Wash with plenty of water
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P308+P313 - If exposed or concerned: Get medical advice/attention
P311 - Call a doctor, a POISON CENTER

P312 - Call a doctor, a POISON CENTER if you feel unwell
P314 - Get medical advice/attention if you feel unwell
P321 - Specific treatment (see Hazard pictograms (CLP) on this label)
P322 - Specific treatment (see Hazardous component(s) for labeling on this label)
P330 - Rinse mouth
P361+P364 - Take off immediately all contaminated clothing and wash it before reuse
P370+P378 - In case of fire: Use dry sand, dry extinguishing powder, alcohol resistant foam to extinguish
P391 - Collect spillage
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

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
NITROBENZENE (15N, 98%+)	(CAS No) 3681-79-6 (EC No) 202-716-0 (Unlabeled) (EC Index No) 609-003-00-7 (Unlabeled)	100	T; R48/23/24 Carc.Cat.3; R40 Repr.Cat.3; R62 Repr.Cat.3; R63 N; R51/53 Xn; R22

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
NITROBENZENE (15N, 98%+)	(CAS No) 3681-79-6 (EC No) 202-716-0 (Unlabeled) (EC Index No) 609-003-00-7 (Unlabeled)	100	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Carc. 2, H351 Repr. 2, H361 STOT RE 1, H372 Aquatic Chronic 2, H411

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

Name	Product identifier	%	GHS-US classification
NITROBENZENE (15N, 98%+) (Main constituent)	(CAS No) 3681-79-6	100	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Carc. 2, H351 Repr. 2, H361 STOT RE 1, H372 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

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 : If you feel unwell, seek medical advice. If medical advice is needed, have product container or label at hand. Evacuate danger area.

First-aid measures after inhalation : If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.

First-aid measures after skin contact : Wash with plenty of soap and water. Take immediately victim to hospital. Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.

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

Symptoms/injuries : May damage fertility. May damage the unborn child (in contact with skin, if inhaled, if swallowed). Causes damage to organs (blood) through prolonged or repeated exposure (in contact with skin, if inhaled, if swallowed).

Symptoms/injuries after inhalation	:	Toxic if inhaled. May cause respiratory irritation.
Symptoms/injuries after skin contact	:	Toxic in contact with skin.
Symptoms/injuries after eye contact	:	May cause eye irritation.
Symptoms/injuries after ingestion	:	Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Reactivity : Not available.

5.3. Advice for firefighters

Firefighting instructions : Wear a self contained breathing apparatus.

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

Other information : Use water spray to cool exposed surfaces.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Wear respiratory protection. Avoid breathing vapors, mist, gas. Remove all sources of ignition. Evacuate danger area. Special attention should be given to low areas/pits where flammable vapors can accumulate.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Do not allow product to spread into the environment.

6.3. Methods and material for containment and cleaning up

For containment : Dike and contain spill. Vacuum with an equipment that avoids ignition risk. Prevent dispersion by moistening spill with water or foam. Contain released substance, pump into suitable containers.

6.4. Reference to other sections

No additional information available

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. Take precautionary measures against static discharges.

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust, fume, gas, mist, spray, vapors.

Hygiene measures : Always wash your hands immediately after handling this product, and once again before leaving the workplace.

7.2. 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.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

NITROBENZENE (15N, 98%+) (3681-79-6)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	1.00000000 ppm Basis: USA. ACGIH Threshold Limit Values (TLV) Remarks: Methemoglobinemia. Substances for which there is a Biological Exposure Index or Indices (see BEI section). Confirmed animal carcinogen with unknown relevance to humans. Danger of cutneous absorption.

NITROBENZENE (15N, 98%+) (3681-79-6)		
USA NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m³ Basis: USA. NIOSH Recommended Exposure Limits. Remarks: Potential for dermal absorption.
USA NIOSH	NIOSH REL (TWA) (ppm)	1 ppm Basis: USA. NIOSH Recommended Exposure Limits. Remarks: Potential for dermal absorption.
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³ Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants. Remarks: Skin designation. Teh value in mg/m3 is approximate.
USA OSHA	OSHA PEL (TWA) (ppm)	1 ppm Basis: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants. Remarks: Skin designation.
USA OSHA	OSHA PEL (Ceiling) (mg/m³)	5 mg/m³ Basis: California permissible exposure limits for chemical contaminants (Title 8, Article 107) Remarks: Skin.
USA OSHA	OSHA PEL (Ceiling) (ppm)	1 ppm Basis: California permissible exposure limits for chemical contaminants (Title 8, Article 107) Remarks: Skin.

8.2. Exposure controls

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 security glasses which protect from splashes. Face shield.

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

Physical state : Liquid

Appearance : Liquid.

Molecular mass : 124.1 g/mol (Labeled)

Color : Colorless to Yellow.

Odor : Pungent.

Odor threshold : No data available

pH : 8.0 - 8.5 at 1.00000 g/l at 20 °C (68 °F)

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

Melting point : 5 - 6 °C (41 - 43 °F) - lit.

Freezing point : No data available

Boiling point : 210 - 211 °C (410-412 °F) - lit.

Flash point : 88 °C (190.4 °F) - closed cup

Auto-ignition temperature : 482 °C (899.6 °F)

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : 66.7 hPa (50 mmHg) at 120 °C (248 °F); 0.3 hPa (0.2 mmHg) at 20 °C (68 °F)

Relative vapor density at 20 °C : No data available

Relative density : No data available

Specific gravity / density : 1.196 g/ml at 25 °C (77 °F)

Solubility : Water: 1.9 g/l at 20 °C (68 °F)

Log Pow : 1.86 at 24.5 °C (76.1 °F)

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
Explosion limits : 1.8 - 40 % (V)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Not available.

10.2. Chemical stability

Stable if stored under recommended conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Open flame. Sparks.

10.5. Incompatible materials

Oxidizing agent. Reducing agents. Bases.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2). Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Dermal: Toxic in contact with skin. Inhalation:dust,mist: Toxic if inhaled.

NITROBENZENE (15N, 98%+) (3681-79-6)	
LD50 oral rat	588 mg/kg male
LD50 dermal rabbit	760 mg/kg
LC50 inhalation rat (ppm)	556 ppm 4 h Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Behavioral:Tremor. Cyanosis.
ATE CLP (oral)	588.000 mg/kg body weight
ATE CLP (dermal)	760.000 mg/kg body weight
ATE CLP (dust, mist)	0.500 mg/l/4h

Skin corrosion/irritation : skin - Rabbit Result: No skin irritation - 24 h
pH: 8.0 - 8.5 at 1.00000 g/l at 20 °C (68 °F)

Serious eye damage/irritation : Eyes - Rabbit Result: No eye irritation
pH: 8.0 - 8.5 at 1.00000 g/l at 20 °C (68 °F)

Respiratory or skin sensitization : mouse - Did not cause sensitization in laboratory animals. (OECD Test Guideline 429)

Germ cell mutagenicity : Rat - Unscheduled DNA synthesis. assay - rat heptacocytes Result: Negative. OECD Test Guideline 474. Mouse - male and female. Result: Negative

Carcinogenicity : Possibly human carcinogenic

Reproductive toxicity : suspected human reproductive toxin{0}

Specific target organ toxicity – single exposure : Causes damage to organs (blood) through prolonged or repeated exposure (Inhalation)
No data available.

Specific target organ toxicity – repeated exposure : Causes damage to organs (blood) through prolonged or repeated exposure (in contact with skin, if inhaled, if swallowed).
Causes damage to organs through prolonged or repeated exposure.

NITROBENZENE (15N, 98%+) (3681-79-6)	
LOAEL (oral,rat,90 days)	5 mg/kg bodyweight/day Rat - male and female - 28 d
NOAEL (inhalation,rat,vapour,90 days)	0.625 mg/l/6h/day Rat - male and female - Inhalation - 14 d OECD Test Guideline 412
NOAEL (inhalation,rat,dust/mist/fume,90 days)	< 0.05 mg/l/6h/day Rat - male and female - Inhalation - OECD Test Guideline 412

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer. Stomach - Irregularities - Based on Human Evidence.

IARC group : 2B

Symptoms/injuries after inhalation : Toxic if inhaled. May cause respiratory irritation.

Symptoms/injuries after skin contact : Toxic in contact with skin.

Symptoms/injuries after eye contact : May cause eye irritation.

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

SECTION 12: Ecological information

12.1. Toxicity

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

NITROBENZENE (15N, 98%+) (3681-79-6)	
LC50 fish 1	92 mg/l flow-through test LC50 - Danio rerio (Zebra fish) - 96 h (OECD Test Guideline 203)
EC50 Daphnia 1	35 mg/l static test EC50 - Daphnia magna (Water flea) - 48 h
EC50 other aquatic organisms 1	18 mg/l Growth inhibition EC50 - Chlorella pyrenoidosa - 96 h (OECD Test Guideline 201)

12.2. Persistence and degradability

NITROBENZENE (15N, 98%+) (3681-79-6)	
Biodegradation	3.3 % - Not readily biodegradable. (OECD Test Guideline 301C); Aerobic - Exposure time - 14 d

12.3. Bioaccumulative potential

NITROBENZENE (15N, 98%+) (3681-79-6)	
BCF fish 1	0.125 mg/l Cyprinus carpio (Carp) - 42 d at 25 °C
Bioconcentration factor (BCF REACH)	3.1 - 4.8 (OECD Test Guideline 305C)
Log Pow	1.86 at 24.5 °C (76.1 °F)

12.4. Mobility in soil

NITROBENZENE (15N, 98%+) (3681-79-6)	
Ecology - soil	Not available.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : Environmentally hazardous substances: Pollutant to the aquatic environment, liquid.

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) : 1662

DOT NA no. UN1662

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Nitrobenzene

Class (DOT) : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132

Hazard labels (DOT) : 6.1 - Poison

DOT Symbols : + - Fixes (cannot be altered) proper shipping name, hazard class, and packing group

Packing group (DOT) : II - Medium Danger

DOT Special Provisions (49 CFR 172.102)	:	IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3) TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.
DOT Packaging Exceptions (49 CFR 173.xxx)	:	153
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	202
DOT Packaging Bulk (49 CFR 173.xxx)	:	243
DOT RQ	:	1000 lbs.
Marine pollutant	:	No.

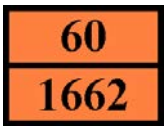
14.3. Additional information

Emergency Response Guide (ERG) Number	:	152
Other information	:	No supplementary information available.

Overland transport

Packing group (ADR)	:	II
Class (ADR)	:	6.1 - Toxic substances
Hazard identification number (Kemler No.)	:	60
Classification code (ADR)	:	T1
Hazard labels (ADR)	:	6.1 - Toxic substances

Orange plates :



Tunnel restriction code (ADR)	:	D/E
Limited quantities (ADR)		100ml
EAC	:	2X
Excepted quantities (ADR)	:	E4

Transport by sea

DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	:	40 - Stow ‘‘clear of living quarters’’
MFAG-No	:	152

Air transport

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	60 L
Civil Aeronautics Law	:	Toxic and infectious substances/Toxic 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

NITROBENZENE (15N, 98%+) (3681-79-6)	
Listed on the United States SARA Section 302 Subject to reporting requirements of United States SARA Section 313	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

15.2. International regulations

CANADA

No additional information available

15.2.1. National regulations

No additional information available

15.3. US State regulations

NITROBENZENE (15N, 98%+)(3681-79-6)	
U.S. - California - Proposition 65 - Carcinogens List	No
U.S. - California - Proposition 65 - Developmental Toxicity	Yes
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	Yes
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Yes
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

SECTION 16: Other information

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

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

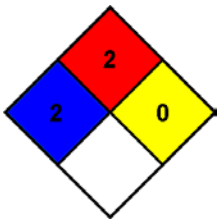
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Carc. 2	Carcinogenicity Category 2
Repr. 2	Reproductive toxicity Category 2
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
H302	Harmful if swallowed
H311	Toxic in contact with skin
H331	Toxic if inhaled
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects
R22	Harmful if swallowed
R40	Limited evidence of a carcinogenic effect

R48/23/24	Toxic: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R62	Possible risk of impaired fertility
R63	Possible risk of harm to the unborn child
N	Dangerous for the environment
T	Toxic
Xn	Harmful

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

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

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



HMIS III Rating

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

Flammability : 2 Moderate Hazard

Physical : 0 Minimal Hazard

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