

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Vietnam, Decree No. 113/2017/ND-CP, Circular no. 32/2017/TT-BCT



## Chemical codes and product name

CAS No 67-56-1

UN number or ID number UN1230

EC No (EU Index No) 200-659-6

Hazard rating of standard rating organizations (if applicable): No information available

Health hazards

3

Flammability

3

Instability

0

Special hazards

-

Registration number in other countries (if applicable):

No information available

**Issuing Date** 03-Jul-2018

**Revision Date** 03-Nov-2023

**Revision Number** 2

## 1. Identification

**Common name of chemical** Methyl alcohol

**Trading name** Methanol

**Other names**

**Other names** Methyl alcohol, wood alcohol, methyl hydroxide

**Other information** Chemical Family - Alcohols

**Name and address of supplier or importer**

**Supplier**

Methanex Corporation  
1800 Waterfront Centre  
200 Burrard Street, V6C 3M1 - Canada  
Phone: +1 604 661 2600

**Name and address of manufacturer**

**Manufacturer**

Methanex Corporation  
1800 Waterfront Centre  
200 Burrard Street, V6C 3M1 - Canada  
Phone: +1 604 661 2600

**Intended use**

**Recommended use**

Industrial use, Professional use, Consumer use: Solvent  
Fuels  
Raw material  
Cleaning agent  
Laboratory reagent  
Use in oil and gas field drilling and production operations  
Water treatment chemicals, wastewater  
Consumer use of cleaning agents and de-icers

**Uses advised against**

None known.

**Contact in emergency:**

**Emergency telephone**

NCEC Vietnam: +84 28 4458 2388  
NCEC East/Southeast Asia: +65 3158 1074

## 2. Hazard(s) identification

### 1 GHS Classification

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Specific target organ toxicity (single exposure)	Category 1
Flammable liquids	Category 2

## 2 Hazard warning

### Signal word

Danger



### Hazard statements

Highly flammable liquid and vapor  
Toxic if swallowed  
Toxic in contact with skin  
Toxic if inhaled  
Causes damage to organs

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/clothing and eye/face protection  
Use only outdoors or in a well-ventilated area  
Do not breathe vapor or mist  
Avoid release to the environment  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Ground and bond container and receiving equipment  
Use only non-sparking tools  
Take action to prevent static discharges  
Use explosion-proof electrical/ ventilating / lighting/ machinery / equipment  
Keep cool

### Precautionary Statements - Response

Specific treatment (see information on this label)  
IF exposed: Call a POISON CENTER or doctor  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
Call a POISON CENTER or doctor/physician if you feel unwell  
IF INHALED: Remove person to fresh air and keep comfortable for breathing  
Call a POISON CENTER or doctor/physician  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Rinse mouth  
In case of fire: Use CO2, dry chemical, or foam for extinction

### Precautionary Statements - Storage

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

### Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

### Other hazards which do not result in classification

Risk of blindness after swallowing the product

## 3 Route of exposure and symptoms

### Eye contact

May cause irritation.

Inhalation	Toxic by inhalation.
Skin contact	Toxic in contact with skin.
Ingestion	Toxic if swallowed.
Symptoms	Ingestion causes nausea, weakness and central nervous system effects, headache, vomiting, dizziness, symptoms of drunkenness. Coma and death due to respiratory failure may follow severe exposures: Medical treatment necessary. A latent period of several hours may occur between exposure and the onset of symptoms. May cause blindness.

### 3. Composition/information on ingredients

#### Substance

Chemical name	CAS No.	Weight-%
Methanol	67-56-1	100

### 4. First-aid measures

#### Description of necessary first aid measures

##### General advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

##### 1 For accidents with exposure of eye

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical attention.

##### 2 For accidents with exposure of skin

Remove/Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical attention.

##### 3 For accidents with exposure by inhalation

Remove to fresh air. If exposed or concerned: Get medical advice/attention. If breathing has stopped, give artificial respiration. Get medical attention immediately. Immediate medical attention is required. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen.

##### 4 For accidents with exposure by swallowing

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention.

##### 5 Note to physicians

The severity of outcome following methanol ingestion may be more related to the time between ingestion and treatment, rather than the amount ingested; therefore, there is a need for rapid treatment of any ingestion exposure. Call a Poison Center. Antidote: Fomepizole enhances elimination of metabolic formic acid. Antidote should be administered by qualified medical personnel.

##### Symptoms

Exposure may cause nausea, weakness and central nervous system effects, headache, vomiting, dizziness, symptoms of drunkenness. Coma and death due to respiratory failure may follow severe exposures: Medical treatment necessary. A latent period of several hours may occur between exposure and the onset of symptoms. Coughing and/ or wheezing. Difficulty in breathing.

##### Effects of Exposure

Causes damage to organs: Eyes.

##### Self-protection of the first aider

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s)

involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not breathe vapor or mist.

## 5. Fire-fighting measures

### 1 Flammable properties

Highly flammable liquid and vapor.

### 2 Hazardous combustion products

Toxic gases or vapors, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Formaldehyde.

### 3 Agents that cause fire and explosion or other specific hazards

Methanol: Burns with invisible flame. Flame may not be visible in daylight. Mixtures >20% methanol with water: flammable. Highly flammable liquid and vapor. Vapors are heavier than air and may spread along floors. Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### 4 Appropriate fire extinguishers and fire fighting instructions, other combined measures

#### Suitable Extinguishing Media

Use water spray to cool fire-exposed containers. Water will not cool methanol below its flash point. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

#### Unsuitable extinguishing media

Do not use straight streams. Do not scatter spilled material with high pressure water streams.

### 5 Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### 6 Special attention to fire and explosion

#### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

## 6. Accidental release measures

### 1 When there is small scale leakage or spilling

#### Small spill

Do not clean-up or dispose of unless adequately trained to do so, or under the supervision of a specialist. Use personal protective equipment as required. See Sections 8 & 13 for additional information.

### 2 When there is large scale leakage or spilling

#### Personal precautions

Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Do not breathe vapor or mist.

#### Environmental precautions

Avoid release to the environment. Dispose of contents/containers in accordance with local regulations. Biodegradable at low concentrations. Soluble in water. When released, this product is expected to evaporate. Contact authorities in the event of pollution of soil and

aquatic environment or discharge into drains. Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods for containment**

Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up**

Small spill: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use non-sparking tools. Collect spillage. Large spill: Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards**

Clean contaminated objects and areas thoroughly observing environmental regulations.

**Other information**

Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**Reference to other sections**

Safe handling: see Section 7. Personal protection equipment (PPE): see Section 8. Disposal: see Section 13.

## 7. Handling and storage

**1 Measures and conditions to be applied when using or working with dangerous chemicals**

Do not enter confined area unless adequately ventilated. Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product.

**2 Measures and conditions to be applied when storing chemicals**

Keep unauthorized personnel away. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up.

**Incompatible materials**

Lead, Aluminum, Zinc, Oxidizing agent, Strong acids, Strong bases, Polyethylene, Polyvinyl chloride (PVC), Nitriles.

## 8. Exposure controls/personal protection

**1 Measures necessary to limit exposure****Exposure guidelines**

Users are advised to consider national Occupational Exposure Limits or other equivalent values.

Chemical name	Vietnam	ACGIH TLV
Methanol	TWA: 50mg/m <sup>3</sup> STEL: 100mg/m <sup>3</sup>	STEL: 250 ppm TWA: 200 ppm S*

**Biological occupational exposure limits**

Chemical name	ACGIH
Methanol	15 mg/L - urine (Methanol) - end of shift

**Appropriate engineering controls**

Provide local exhaust ventilation. Handle product only in closed system or provide appropriate exhaust ventilation. All equipment used when handling the product must be grounded.

**2 Personal protective equipment when working**

<b>Eye/face protection</b>	Tight sealing safety goggles.
<b>Skin and body protection</b>	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
<b>Hand protection</b>	Wear suitable gloves. Impervious gloves.
<b>Respiratory protection</b>	Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode. Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator

**3 Protective equipment when responding to an incident**

Additional protective equipment such as chemically resistant suit, boots and face shield should be used based upon task being performed.

Avoid release to the environment. Prevent entry into waterways, sewers, basements or confined areas.

**4 Hygiene Measures**

<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Do not breathe vapor or mist.
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**9. Physical and chemical properties****Information on basic physical and chemical properties**

<b>Appearance</b>	Clear liquid
<b>Physical state</b>	Liquid
<b>Color</b>	Clear
<b>Odor</b>	Alcohol
<b>Odor threshold</b>	4.2 - 5960 ppm

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>		No data available
<b>Melting point / freezing point</b>	-97.78 °C / -144 °F	No data available
<b>Initial boiling point and boiling range</b>	64.72 °C / 148.5 °F	No data available
<b>Flash point</b>	11 °C / 51.8 °F	No data available
<b>Evaporation rate</b>	4.1	Butyl acetate = 1
<b>Flammability</b>		No data available
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	36.5%	No data available
<b>Lower flammability or explosive limits</b>	5.5%	No data available
<b>Vapor pressure</b>	12.8 kPa	@ 20 °C
<b>Relative vapor density</b>	1.1	@ 20 °C (air = 1)
<b>Relative density</b>	0.791 - 0.793	@20°C
<b>Water solubility</b>	Miscible in water	No data available
<b>Solubility in other solvents</b>		No data available
<b>Partition coefficient</b>	-0.77	log Pow
<b>Autoignition temperature</b>	464 °C / 867.2 °F	No data available
<b>Decomposition temperature</b>		No data available
<b>Kinematic viscosity</b>		No data available
<b>Dynamic viscosity</b>	0.8 cP	@ 20 °C

**Other information**

<b>Explosive properties</b>	Vapors may form explosive mixtures with air.
<b>Oxidizing properties</b>	No information available.
<b>Softening point</b>	No information available
<b>Molecular weight</b>	32.04
<b>VOC content</b>	100%
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available

**10. Stability and reactivity****1 Stability**

May form flammable/explosive vapor-air mixture.

**2 Reactivity**

Containers may rupture or explode if exposed to heat.

**Hazardous decomposition products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Ketones, Formaldehyde.

**Possibility of hazardous reactions**

None under normal processing.

**Incompatible materials**

Lead, Aluminum, Zinc, Oxidizing agent, Strong acids, Strong bases, Polyethylene, Polyvinyl chloride (PVC), Nitriles.

**Conditions to avoid**

Containers may rupture or explode if exposed to heat. Heat, flames and sparks. Excessive heat.

**Hazardous polymerization**

None under normal processing.

**11. Toxicological information****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Toxic by inhalation.
<b>Eye contact</b>	May cause irritation.
<b>Skin contact</b>	Toxic in contact with skin.
<b>Ingestion</b>	Toxic if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	Ingestion causes nausea, weakness and central nervous system effects, headache, vomiting, dizziness, symptoms of drunkenness. Coma and death due to respiratory failure may follow severe exposures: Medical treatment necessary. A latent period of several hours may occur between exposure and the onset of symptoms. May cause blindness.
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**Acute toxicity** Toxic if swallowed. Toxic in contact with skin. Toxic by inhalation.

<b>Numerical measures of toxicity</b>	Acute Toxicity Estimate (ATE) values provided as a reflection of the hazard classification
<b>ATEmix (oral)</b>	100 mg/kg
<b>ATEmix (dermal)</b>	300 mg/kg

ATEmix (inhalation-vapor) 3 mg/l

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methanol	= 6200 mg/kg ( Rat )	= 15840 mg/kg ( Rabbit )	= 22500 ppm ( Rat ) 8 h = 64000 ppm ( Rat ) 4 h

**1 Long-term impact to humans**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	May cause mild to moderate irritation.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	Causes damage to organs.
<b>STOT - repeated exposure</b>	No information available.
<b>Target organ effects</b>	Central nervous system. Optic nerve.

**2 Other toxic effects**

<b>Aspiration hazard</b>	No information available.
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**12. Ecological information****1 Toxicity to organisms**

Avoid release to the environment.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Methanol	-	LC50: =28200mg/L (96h, <i>Pimephales promelas</i> ) LC50: >100mg/L (96h, <i>Pimephales promelas</i> ) LC50: 19500 - 20700mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: 18 - 20mL/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: 13500 - 17600mg/L (96h, <i>Lepomis macrochirus</i> )	-

**2 Environmental impact****Persistence and degradability**

Readily biodegradable.

**Bioaccumulation**

Not expected to bioaccumulate. BCF: &lt;10.



**Component Information**

Chemical name	Partition coefficient
Methanol	-0.77

**Mobility in soil**

Adsorbs on soil.

**Mobility**

No information available.

**Other adverse effects**

No information available.

**13. Disposal considerations****1 Information on disposal requirements**

Take note of national technical regulations on the environment.

**2 Hazardous waste classification****National Technical Regulation on the threshold for hazardous waste**

Chemical name	Threshold concentration	Leaching threshold concentration
Methanol - 67-56-1	3000ppm	-

**3 Waste treatment measures****Waste from residues/unused products**

Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**4 Waste destruction by-products, disposal measures****Contaminated packaging**

Recover or recycle if possible. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**14. Transport information****Decree no. 104/2009/ND-CP, Regulations on dangerous goods transport by road motor vehicle**

UN number or ID number	UN proper shipping name	Transport hazard class(es)	Packing group	Labels
UN1230	METHANOL	3	II	3 + 6.1

Additional information

**Decree No. 29/2005/ND-CP dated 10/03/2005 of government on list of dangerous goods and the transport of dangerous goods on inland waterways**

**IMDG**

UN number or ID number	UN1230
UN proper shipping name	METHANOL
Transport hazard class(es)	3
Subsidiary hazard class	6.1
Packing group	II
Marine pollutant	NP
Description	UN1230, METHANOL, 3 (6.1), II, (11°C C.C.)
Special Provisions	279
EmS-No.	F-E, S-D

**IATA**

UN number or ID number	UN1230
UN proper shipping name	Methanol
Transport hazard class(es)	3
Subsidiary hazard class	6.1
Packing group	II
Description	UN1230, Methanol, 3 (6.1), II
Special Provisions	A113
ERG Code	3L

**ADR**

UN number or ID number	UN1230
UN proper shipping name	METHANOL
Description	UN1230, METHANOL, 3 (6.1), II
Transport hazard class(es)	3
Subsidiary hazard class	6.1
Packing group	II
Classification code	FT1
Special Provisions	279

## 15. Regulatory information

### 1 Declaration status, registered in the regional countries of the world

TSCA	Listed.
DSL/NDL	Listed.
EINECS/ELINCS	Listed.
ENCS	Listed.
IECSC	Listed.
KECL	Listed.
PICCS	Listed.
AICS	Listed.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Industrial Chemicals

### 2 Classifying of risk by country

Hazard rating of standard rating organizations (if applicable): No information available

Health hazards  
3

Flammability  
3

Instability  
0

Special hazards  
-

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

### 3 Compliance with technical regulations

Applicable regulations:

Consolidated Document No. 10/VBHN-VPQH on Law on Chemicals Decree No. 113/2017/ND-CP specifying a number of articles of the Law on Chemicals

- Appendix II. The list of production and trading restrictions chemicals
- Appendix IV. The list of hazardous chemicals requiring to develop plans to prevent and respond to chemical incidents and establish a safe distance
- Appendix V. The list of chemicals subject to declaration
- Circular no. 32/2017/TT-BCT, Regulations on chemical declaration
- Decree no. 104/2009/ND-CP, Regulations on dangerous goods transport by road motor vehicle
- Decree No. 29/2005/ND-CP dated 10/03/2005 of government on list of dangerous goods and the transport of dangerous goods on inland waterways

## 16. Other information

Note to the reader:

The information in the chemical safety data sheet is compiled with the newest and most valid knowledge of dangerous chemicals and must be used to implement measures to prevent risks and accidents

Dangerous chemicals in these sheets have other hazardous properties depending on the circumstances of use and exposure

**Issuing Date** 03-Jul-2018

**Revision Date** 03-Nov-2023

**Revision Note** Updated format.

### Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	ACGIH (American Conference of Governmental Industrial Hygienists)
IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
NFPA	National Fire Protection Association (NFPA), United States of America

### **Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation

### **Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AELG(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

### Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. Users should make their own investigations to determine the suitability of the information for their particular purposes. This document is intended as a guide to the appropriate precautionary handling of the material by a properly trained person

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**End of Safety Data Sheet**