

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Korea - Notice No. 2020-130 - Standards for Classification and Labeling of Chemical Substances and Material Safety Data Sheets (MSDS)

Issuing Date 17-Dec-2020 Revision Date 16-Apr-2024 Revision Number 11.3

# 1. Identification

#### A Product identifier

Product Name Methanol

Synonyms Methyl alcohol, wood alcohol, methyl hydroxide

**CAS No** 67-56-1

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

Recommended use Industrial use

Professional use Consumer use Solvent Fuels Raw material

Raw material Cleaning agent Laboratory reagent

Consumer use of cleaning agents and de-icers

Uses advised against None

# C Supplier's details

# **Manufacturer**

Methanex Korea Co., Ltd 6th floor, Gangnam Finance Center 152 Teheran-ro Gangnam-gu, Seoul (02)598-2051

For further information, please contact

Emergency telephone number NCEC Emergency Toll-Number: (+82) 2-3479-8401

119 Fire and Disaster Prevention Administration and local fire department

# 2. Hazard(s) identification

#### A Classification of the substance or mixture

Flammable liquids	Category 2
Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 1

Specific target organ toxicity (repeated exposure)

Category 1

# B GHS Label elements, including precautionary statements

#### Hazard symbols



#### Signal word

Danger

#### Hazard statements

- H301 Toxic if swallowed
- H311 Toxic in contact with skin
- H331 Toxic if inhaled
- H319 Causes serious eye irritation
- H351 Suspected of causing cancer
- H360 May damage fertility or the unborn child
- H370 Causes damage to organs
- H372 Causes damage to organs through prolonged or repeated exposure
- H225 Highly flammable liquid and vapor

# **Precautionary Statements - Prevention**

- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P264 Wash face, hands and any exposed skin thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well-ventilated area
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- P233 Keep container tightly closed
- P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment
- P240 Ground and bond container and receiving equipment
- P242 Use non-sparking tools
- P243 Take action to prevent static discharges
- P235 Keep cool

## **Precautionary Statements - Response**

- P321 Specific treatment (see supplemental first aid instructions on this label)
- P308 + P311 IF exposed or concerned: Call a POISON CENTER or doctor
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337 + P313 If eye irritation persists: Get medical advice/attention
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

P361 + P364 - Take off immediately all contaminated clothing and wash it before reuse

P312 - Call a POISON CENTER or doctor if you feel unwell

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P311 - Call a POISON CENTER or doctor

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P330 - Rinse mouth

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

#### **Precautionary Statements - Storage**

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

#### **Precautionary Statements - Disposal**

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

#### C Other hazards which do not result in classification

Poison. Risk of blindness after swallowing the product. May be harmful if swallowed.

# 3. Composition/information on ingredients

#### Substance

#### **Synonyms**

Methyl alcohol, wood alcohol, methyl hydroxide

Chemical name	Common name	CAS No.	Weight-%	Other identifier	Approval number	Expiration date
	and synonyms			number		
Methanol	Methyl alcohol	67-56-1	100	KE-23193	-	-

# 4. First-aid measures

#### A In case of eye contact

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. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

#### B In case of skin contact

IF ON SKIN: Wash with plenty of soap and water. Remove and isolate contaminated clothing and shoes. Wash contaminated clothing before reuse. Immediate medical attention is required.

#### C In case of inhalation

Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required. If breathing has stopped, give artificial respiration. Get medical attention immediately.

#### D In case of ingestion

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

#### E Indication of immediate medical attention and special treatment needed, if necessary

General advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. IF exposed or concerned: Get medical advice/attention.

Note to physicians

Poison. May be fatal if swallowed. 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** 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 redness and tearing of the eyes. Burning sensation. Coughing and/ or wheezing. Difficulty in breathing.

**Effects of Exposure** No information available.

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. Avoid contact with skin, eyes or clothing. 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

# A Suitable (and unsuitable) extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam. Use water spray

to cool fire-exposed containers. Water will not cool methanol below its flash point.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

## B Specific hazards arising from the chemical

Vapors are heavier than air and may spread along floors. Mixtures >20% methanol with water: flammable. 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. Do not allow run-off from fire-fighting to enter drains or water courses. Sealed containers may rupture when heated. May burn with an almost invisible flame in bright light.

Hazardous combustion products Toxic gases or vapors, Carbon monoxide, Carbon dioxide (CO2), Formaldehyde.

# C Special Protective Equipment for Firefighters

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

# 6. Accidental release measures

# A Personal precautions, protective equipment and emergency procedures

**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. Wash thoroughly after handling.

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

## **B** 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.

#### C. Methods and material for containment and cleaning up

**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 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.

# 7. Handling and storage

# A Precautions for safe handling

#### Advice on safe handling

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 eat, drink or smoke when using this product. Remove contaminated clothing and shoes. 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.

# B Conditions for safe storage, including any incompatibilities

# **Storage Conditions**

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.

General hygiene considerations 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.

# 8. Exposure controls/personal protection

#### A Control Parameters

# Occupational exposure limits

Chemical name	OEL	PEL	ACGIH TLV
Methanol	TWA: 200 ppm STEL: 250 ppm Sk*	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm STEL: 250 ppm Sk*

## Biological occupational exposure limits

Chemical name	ACGIH
Methanol	15 mg/L - urine (Methanol) - end of shift
67-56-1	

#### B Appropriate engineering controls

**Engineering controls** Provide local exhaust ventilation. Handle product only in closed system or provide

appropriate exhaust ventilation. Ensure that eyewash stations and safety showers are close to the workstation location. Use spark-proof tools and explosion-proof equipment. All

equipment used when handling the product must be grounded.

**Environmental exposure** 

controls

No information available.

#### C Personal protective equipment

**Respiratory protection**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.

**Eye protection** Tight sealing safety goggles. Face protection shield.

**Hand protection** Wear suitable gloves. Impervious gloves. Nitrile rubber. Neoprene gloves. Butyl rubber.

**Body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Antistatic boots.

# 9. Physical and chemical properties

# Information on basic physical and chemical properties

A Appearance Clear liquid
Physical State Liquid
Color Clear

B Odor Alcohol

C Odor threshold 4.2 -5960 ppm

Property Values Remarks • Method No data available D pН -97.8 °C / -144 °F **Melting point / freezing point** No data available 64.7 °C / 148.5 Initial boiling point and boiling No data available F range G Flash point 11 °C / 51.8 °F No data available H Evaporation rate 4.1 Butyl acetate = 1 I Flammability No data available

J Upper/lower flammability or explosive limits

Upper flammability or explosive 36.5% No data available

limits

**Lower flammability or explosive** 5.5% No data available

limits

**K Vapor pressure** 12.8 kPa @ 20 °C

L Solubility(ies)

Water solubilityMiscible in waterNo data availableSolubility in other solventsNo data available

Relative vapor density @ 20 °C (air = 1) 1.1

**Specific Gravity** 0.791 - 0.793 @20°C O Partition coefficient: -0.77 log Pow

n-octanol/water

P Autoignition Point 464 °C / 867.2 °F No data available **Q** Decomposition temperature

No data available

R Viscosity

Kinematic viscosity No data available

**Dynamic viscosity** 0.8 cP @ 20 °C

S Molecular weight No data available 32.04

Other information

**Explosive properties** Vapors may form explosive mixtures with air.

**Oxidizing properties** None known.

Softening point No information available

100% **VOC** content

**Liquid Density** No information available

# 10. Stability and reactivity

## A Chemical stability and possibility of hazardous reactions

Stability Stable under normal conditions. May form flammable/explosive vapor-air mixture.

Possibility of hazardous

reactions

Heating causes rise in pressure with risk of bursting.

Hazardous polymerization Hazardous polymerization does not occur.

**Explosion data** 

Sensitivity to mechanical impact None. Sensitivity to static discharge

# **B** Conditions to avoid

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

#### C Incompatible materials

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

#### D Hazardous decomposition products

Carbon monoxide, Carbon dioxide (CO2), May release flammable gases, Formaldehyde.

# 11. Toxicological information

# Information on the likely routes of exposure

## **Product Information**

Inhalation Toxic by inhalation. Vapors may be irritating. May cause central nervous system depression

with nausea, headache, dizziness, vomiting, and incoordination.

Ingestion Poison. Toxic if swallowed. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED.

May be fatal if swallowed.

Eye contact Causes serious eye irritation. May cause redness, itching, and pain.

Skin contact Toxic in contact with skin. May cause irritation. Prolonged contact may cause redness and

irritation.

**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 redness and

tearing of the eyes. Coughing and/ or wheezing. Difficulty in breathing.

#### B Health hazards information

# Acute toxicity .

#### **Numerical measures of toxicity**

The acute toxicity of methanol varies greatly species to species and has been well documented. Methanol's toxicity is driven by its metabolism and the creation of toxic metabolites. Metabolism within animal species utilized for acute toxicity testing is not an accurate representation of human metabolism. Therefore, positive human evidence outweighs rat and rabbit toxicity values. Animal toxicity values are reported below, but are not appropriate for human health hazard classification. Acute Toxicity Estimate (ATE) values provided as a reflection of the hazard classification.

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (oral) 100 mg/kg
ATEmix (dermal) 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

Skin corrosion/irritation Non-irritant. No classification is proposed, based on conclusive negative data. Erythema

index = 0. Edema index = 0.

Serious eye damage/irritation Causes serious eye irritation. OECD TG 405. Not recovered within 72 hours, but no

irritation seen in 8-14 days. Non-irritating conjunctival index = 2.06/3. Conjunctival edema

index = 0.72/4. Iris index = 0.61/2. Corneal index = 0.56/4.

Respiratory or skin sensitization OECD Test No. 406: Skin Sensitization: No sensitization responses were observed.

Germ cell mutagenicity OECD Test No. 471: Bacterial Reverse Mutation Test: Not classified.

Carcinogenicity Suspected of causing cancer. EU CLP: Category 2 (Applies to CLP according to Article 5 of

Notification 2018-24).

**Reproductive toxicity** May damage fertility or the unborn child.

Specific target organ toxicity (STOT) May cause damage to organs.

- single exposure

Specific target organ toxicity (STOT) Causes damage to organs through prolonged or repeated exposure.

- repeated exposure

**Target organ effects** Eyes: Optic nerve. Central nervous system.

**Aspiration hazard** No information available.

# 12. Ecological information

# A Ecotoxicity

Avoid release to the environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Methanol		LCE0: _29200mg/l	Illicroorganisms	
Methanol	_	LC50: =28200mg/L	-	-
		(96h, Pimephales		
		promelas)		
		LC50: >100mg/L (96h,		
		Pimephales promelas)		
		LC50: 19500 -		
		20700mg/L (96h,		
		Oncorhynchus mykiss)		
		LC50: 18 - 20mL/L (96h,		
		Oncorhynchus mykiss)		
		LC50: 13500 -		
		17600mg/L (96h,		
		Lepomis macrochirus)		

B Persistence and degradability

Readily biodegradable.

C Bioaccumulative potential

BCF: <10

**Component Information** 

Chemical name	Partition coefficient
Methanol	-0.77

D. Mobility in soil

No information available.

E. Other adverse effects

No information available.

# 13. Disposal considerations

A Disposal methods

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. Dispose in accordance with Waste

Control Act.

**B** Disposal considerations

**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

A UN number UN1230

B UN proper shipping name METHANOL

C Transport hazard class(es) 3

Subsidiary hazard class 6.1

D Packing group ||

E Marine pollutant No

Special Provisions 279

**Description** UN1230, METHANOL, 3 (6.1), II, (11°C C.C.)

F Special precautions for user Not regulated

# 15. Regulatory information

A Industrial Safety and Health Law

Prohibited substance Not applicable

Substances Requiring Permission Not applicable

Harmful substances subject to control

Chemical name	Harmful substances subject to control
Methanol	Applicable

Harmful agents subject to work environment monitoring (Measurement cycle: 6 months)

idininal agents subject to work environment monitoring (weasarement cycle: o months)					
Chemical name	Organic	Metals	Acids and	Gas-phase	Dusts
	compounds		alkalis	substances	
Methanol	Applicable	Not applicable	Not applicable	Not applicable	Not applicable
	Measurement				
	cycle: 6				
	months				

Harmful agents subject to workers requiring health examination (Diagnostic cycle: 12 months)

namma agents subject to workers requiring mean	ui examinatioi	i (Diagnostic c	yolo. 12 months	,	
Chemical name	Organic	Metals	Acids and	Gas-phase	Dusts
	compounds		alkalis	substances	
Methanol	Applicable	Not applicable	Not applicable	Not applicable	Not applicable
	Diagnostic				
	cycle: 12				
	months				

# Harmful or dangerous substances subject to submission of process safety reports Applicable

Chemical name	Harmful or dangerous substances subject to submission of process safety	
	reports	
Methanol	Applicable	

# **Control parameters**

See section 8 for national exposure control parameters

Chemical name	OEL	PEL
Methanol	TWA: 200 ppm	STEL: 250 ppm
	STEL: 250 ppm	TWA: 200 ppm
	Sk*	

## **B** Chemicals Control Act

Chemical name	Toxic substance	Authorization substance	Prohibited substance	Restricted substance
Methanol	97-1-80, 10 % *	Not applicable	Not applicable	Not applicable

#### \* Mixtures containing this % or more are designated

Act on Registration, Evaluation, etc. of Chemicals (K-REACH) Applicable

Chemical name	Existing substances subject to	Existing substances not likely to	Existing substances known to
	registration	be subject to registration	be of very low risk
Methanol	Applicable	Not applicable	Not applicable

Chemicals Control Act (CCA) - Accident Precaution Chemicals Applicable

Chemical name	Chemicals Control Act (CCA) - Accident Precaution Chemicals	
Methanol	Applicable	

# C Safety Control of Dangerous

**Substances Act** 

**Dangerous Goods Class** Class 4 - flammable liquids - alcohols, 400l

**D** Wastes Management Dispose of waste in accordance with environmental legislation.

#### **E** Other Regulations

Pollutant Release and Transfer Register (PRTR)

Chemical name	Toxic Release Inventory Chemicals -	Toxic Release Inventory Chemicals -
	Group 1	Group 2
Methanol	-	>=1.0 % w/w

# **International Regulations**

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

# International Inventories

**TSCA** Listed

**DSL/NDSL** Listed on DSL.

**EINECS/ELINCS** Listed. Listed. **ENCS IECSC** Listed. **KECI** Listed. **PICCS** Listed. **AICS** Listed.

# Legend:

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

DSL/NDSL - 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

AIIC - Australian Inventory of Industrial Chemicals

# 16. Other information

## A Information source and references

**Prepared By** Product Safety Department.

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

Legend

SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT: Specific Target Organ Toxicity

ATE: Acute Toxicity Estimate LC50: 50% Lethal Concentration

LD50: 50% Lethal Dose

ACGIH (American Conference of Governmental Industrial Hygienists)

IMDG International Maritime Dangerous Goods (IMDG)

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

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

**Environmental Protection Agency** 

Acute Exposure Guideline Level(s) (AEGL(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)

National Institute of Technology and Evaluation (NITE)

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)

National Library of Medicine's PubMed database (NLM PUBMED)

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

B Issuing Date 17-Dec-2020

C Revision number and date

**Revision Number** 11.3

**Revision Note** SDS sections updated: 1. Emergency telephone number.

Revision Date 16-Apr-2024

D Other .

## 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 using this product. Methanex Corporation and its subsidiaries make no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which

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**End of Safety Data Sheet**