SAFETY DATA SHEET

according to the Globally Harmonized System and US regulation

ALCOGUM 296 W

Version 1 Revision Date 07/29/2020 Print Date 03/03/2025 US / Z8

1. IDENTIFICATION

Product name	:	ALCOGUM 296 W
Product Use Description	:	Specific use(s): Rheological modification
Company	:	Nouryon Surface Chemistry LLC 100 Matsonford Road, Building 1, Suite 500 Radnor PA 19087 US
Telephone	:	+18009069977
Fax	:	+13125447188
E-mail address	:	
Emergency telephone	:	CANUTEC: +1 613-996-6666 CHEMTREC: +1 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	liquid
Color	off-white
Odor	slight

GHS Classification

Eye irritation, Category 2A
Specific target organ toxicity - single exposure, Category 2, Central nervous system

GHS label elements

Hazard pictograms :

Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.
H371 May cause damage to organs (Central nervous system).

Precautionary Statements : **Prevention:**
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear eye protection/ face protection.
Response:
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 + P311 IF exposed or concerned: Call a POISON CENTER/doctor.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity:

IARC	:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	:	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Classification	Concentration [% W/W]
Sodium polyacrylate	9003-04-7	Combustible dust Eye Irrit. 2A; H319	>= 10 - < 20
Methanol	67-56-1	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 STOT SE 1; H370	>= 3 - < 5

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice : Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.

Inhalation : If breathed in, move person into fresh air.
Consult a physician after significant exposure.

Skin contact : Take off contaminated clothing and shoes immediately.
Rinse immediately with plenty of water.

Eye contact : Rinse with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
Obtain medical attention.

Ingestion : Clean mouth with water and drink afterwards plenty of water.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

Notes to physician

Symptoms : The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

Risks : Causes serious eye irritation.
May cause damage to organs.

Treatment : Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards during fire fighting / Specific hazards arising from the chemical	:	Do not allow run-off from fire fighting to enter drains or water courses.
Combustion products	:	Carbon oxides
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

See also Section 9. Physical and chemical properties: Safety data

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Wear respiratory protection. Ensure adequate ventilation.
Emergency measures on accidental release	:	Evacuate personnel to safe areas. Only qualified personnel equipped with suitable protective equipment may intervene. Prevent unauthorized persons entering the zone.
Environmental precautions	:	Do not allow material to contaminate ground water system. Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up / Methods for containment	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Keep in suitable, closed containers for disposal. Contaminated surfaces will be extremely slippery.
Reference to other sections	:	For disposal considerations see section 13. For personal protection see section 8.

7. HANDLING AND STORAGE

Handling

Advice on safe handling	:	For personal protection see section 8. Avoid formation of aerosol. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Prevent unauthorized access.
Keep container tightly closed in a dry and well-ventilated place.
Do not freeze.

Minimum storage temperature: : Avoid temperatures below:
5 °C (41 °F)

Maximum storage temperature: : 40 °C (104 °F)

Other data : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Ingredients with workplace control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis	Form of exposure
Methanol	67-56-1	TWA	200 ppm	2013-03-01	ACGIH	
	Further information	:	headache: Headache nausea: Nausea dizziness: Dizziness eye dam: Eye damage BEI: Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Skin: Danger of cutaneous absorption			
		STEL	250 ppm	2013-03-01	ACGIH	
	Further information	:	headache: Headache nausea: Nausea dizziness: Dizziness eye dam: Eye damage BEI: Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Skin: Danger of cutaneous absorption			
		TWA	200 ppm 260 mg/m3	2013-10-08	NIOSH REL	
	Further information	:	skin: Potential for dermal absorption			
		ST	250 ppm 325 mg/m3	2013-10-08	NIOSH REL	
	Further information	:	skin: Potential for dermal absorption			
		TWA	200 ppm 260 mg/m3	1997-08-04	OSHA Z-1	
	Further information	:	(b): The value in mg/m3 is approximate.			
		TWA	200 ppm 260 mg/m3	1989-01-19	OSHA P0	

	Further information	:	X: Skin notation			
		STEL	250 ppm 325 mg/m3	1989-01-19	OSHA P0	
	Further information	:	X: Skin notation			
		C	1,000 ppm	2014-11-26	CAL PEL	
	Further information	:	S: Skin			
		PEL	200 ppm 260 mg/m3	2014-11-26	CAL PEL	
	Further information	:	S: Skin			
		STEL	250 ppm 325 mg/m3	2014-11-26	CAL PEL	
	Further information	:	S: Skin			

ACGIH: American Conference of Governmental Industrial Hygienists
BEI: Biological Exposure Index
MAC: Maximum Allowable Concentration
NIOSH: National Institute for Occupational Safety and Health
OEL: OEL: Occupational exposure limit.
STEL: Short term exposure limit
TWA: Time Weighted Average

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Update
Methanol	67-56-1	Methanol: 15 mg/l (Urine)	End of shift (As soon as possible after exposure ceases)	2007-01-01

Hazardous substance

Substance name	CAS-No.	Value	Control parameters	Basis	Update
Methanol	67-56-1	Immediately Dangerous to Life or Health Concentration Value	6000 parts per million	US IDLH	1995-03-01
	Further information	:	Immediately Dangerous to Life or Health Concentrations (IDLH)		

Appropriate engineering controls
Effective exhaust ventilation system
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye/face protection : Tightly fitting safety goggles

Hand protection : Glove material: For prolonged or repeated contact use protective gloves.

: Glove material: Protective gloves complying with EN 374.

Skin and body protection : Protective suit

Respiratory protection : In the case of vapor or aerosol formation use a respirator with an approved filter.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.

When using do not smoke.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : Do not allow material to contaminate ground water system.
Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	:	liquid
Color	:	off-white
Odor	:	slight
Odor Threshold	:	No data available

Safety data

pH	:	9 at 100 % solution
Melting point/freezing point	:	0 °C
Boiling point/boiling range	:	> 100 °C
Flash point	:	> 100 °C Method: closed cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	Not classified as a flammability hazard
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Vapor pressure	:	< 23 hPa at 20 °C
Relative vapor density	:	> 1 (Air = 1.0)
Relative density	:	No data available
Water solubility	:	partly soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	464 °C

Decomposition temperature	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Avoid temperatures above 140 °F, direct sunlight and contact with sources of heat.
Materials to avoid	:	Mild steel Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.
Thermal decomposition	:	No data available
Reactivity	:	Stable under normal conditions.
Chemical stability	:	Stable under recommended storage conditions.
Hazardous reactions	:	No dangerous reaction known under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

Hazard Summary

Acute toxicity	:	Not classified based on available information.
Skin corrosion/irritation	:	Not classified based on available information.
Serious eye damage/eye irritation	:	Causes serious eye irritation.
Respiratory or skin sensitization	:	Respiratory sensitization: Not classified based on available information. Skin sensitization: Not classified based on available information.
Germ cell mutagenicity	:	Not classified based on available information.
Carcinogenicity	:	Not classified based on available information.
Reproductive toxicity	:	Not classified based on available information.
STOT-single exposure	:	May cause damage to organs (Central nervous system).
STOT-repeated exposure	:	Not classified based on available information.

Aspiration hazard	:	Not classified based on available information.

Potential Health Effects

Inhalation	:	Inhalation of aerosols may cause irritation to mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors.
Skin	:	May cause skin irritation.
Eyes	:	Causes serious eye irritation.
Ingestion	:	May cause irritation of the mucous membranes.
Aggravated Medical Condition	:	None known.
Symptoms of Overexposure	:	The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

Toxicology Assessment

Further information	:	May cause damage to organs.

Test result

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate : > 200 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

Carcinogenicity:

IARC	:	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	:	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

TOXICOLOGY DATA FOR THE INGREDIENTS:

Test result

Component: Sodium polyacrylate

Acute oral toxicity	:	LD50: > 5,000 mg/kg Species: Rat

Read-across (Analogy)

Skin irritation : Result: No skin irritation
Read-across (Analogy)

Eye irritation : Result: Irritating to eyes.

Sensitization : Result: Does not cause skin sensitization.
Read-across (Analogy)

Component: Methanol

Acute oral toxicity : LD50: 300 mg/kg
Method: Acute toxicity estimate

Acute inhalation toxicity : LC50 : 10 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: Acute toxicity estimate

Acute dermal toxicity : LD50: 1,000 mg/kg
Method: Acute toxicity estimate

Skin irritation : Species: Rabbit
Result: No skin irritation
Information taken from reference works and the literature.

Eye irritation : Species: Rabbit
Result: No eye irritation
Information taken from reference works and the literature.

Sensitization : Maximization Test
Species: Guinea pig
Result: Does not cause skin sensitization.
Method: OECD Test Guideline 406
Information taken from reference works and the literature.

Germ cell mutagenicity

Genotoxicity in vitro : Ames test
Bacteria
Result: negative
Method: OECD Test Guideline 471
Information taken from reference works and the literature.

Genotoxicity in vivo : Species: Mouse
Method: Mutagenicity (micronucleus test)
Result: negative
Information taken from reference works and the literature.

Carcinogenicity : Result: Not carcinogenic to laboratory animals.
Information taken from reference works and the literature.

Reproductive toxicity/Development/Teratogenicity : Species: Rat
Application Route: Oral
General Toxicity Maternal: NOAEL (No observed adverse effect level): 2,054 mg/kg bw/day
Teratogenicity: LOAEL (Lowest observed adverse effect

level): 1,027 mg/kg bw/day
Method: OECD Test Guideline 414
Information taken from reference works and the literature.

Target Organ Systemic Toxicant - Single exposure : Target Organs: Central nervous system
The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.
Causes damage to organs.

12. ECOLOGICAL INFORMATION

PRODUCT INFORMATION:

Ecotoxicology Assessment

Additional ecological information : None known.

Further information on ecology

Hazardous to the ozone layer

Regulation : 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

COMPONENTS:

Test result

Component: Sodium polyacrylate

Ecotoxicity effects

Toxicity to fish : LC50: > 100 mg/l
Exposure time: 96 h
Species: Fish
Read-across (Analogy)

Elimination information (persistence and degradability)

Bioaccumulation : Bioaccumulation is unlikely.

Mobility : No data available

Biodegradability : Result: Not readily biodegradable.

Further information on ecology

Biochemical Oxygen Demand (BOD) : No data available

Component: Methanol

Ecotoxicity effects

Toxicity to fish	:	LC50: 15,400 mg/l Exposure time: 96 h Species: Lepomis macrochirus (Bluegill sunfish) Test Type: flow-through test Information taken from reference works and the literature.
Toxicity to daphnia and other aquatic invertebrates	:	EC50: > 10,000 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Method: DIN 38412 Information taken from reference works and the literature.
Toxicity to algae	:	ErC50: ca. 22,000 mg/l Exposure time: 96 h Species: Pseudokirchneriella subcapitata (green algae) Method: OECD Test Guideline 201 Information taken from reference works and the literature.
Toxicity to bacteria	:	IC50: > 1,000 mg/l Exposure time: 3 h Species: activated sludge Method: OECD Test Guideline 209 Information taken from reference works and the literature.
Toxicity to fish (Chronic toxicity)	:	NOEC: 7,900 mg/l Exposure time: 200 h Species: Oryzias latipes (Orange-red killifish) Information taken from reference works and the literature.

Elimination information (persistence and degradability)

Bioaccumulation	:	Bioaccumulation is unlikely.
Mobility	:	Under extreme circumstances, transport from earth to water may take place.
Biodegradability	:	Result: Readily biodegradable.

Further information on ecology

Biochemical Oxygen Demand (BOD)	:	600 - 1,120 mg/g
Chemical Oxygen Demand (COD)	:	1,420 mg/g

13. DISPOSAL CONSIDERATIONS

Product	:	Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Hazardous waste Dispose of contents/container in accordance with local regulation.

: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

14. TRANSPORT INFORMATION

International Regulations

ADR
Not regulated as a dangerous good

UNRTDG
Not regulated as a dangerous good

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

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

Not applicable for product as supplied.

Further information for transport

Not classified as dangerous in the meaning of transport regulations.

Domestic regulation

49 CFR
Not regulated as a dangerous good
TDG
Not regulated as a dangerous good
NOM-002-SCT
Not regulated as a dangerous good

15. REGULATORY INFORMATION

Notification status

TCSI	:	YES. On the inventory, or in compliance with the inventory
TSCA	:	YES. All substances listed as active on the TSCA inventory
AICS	:	YES. On the inventory, or in compliance with the inventory
DSL	:	YES. All components of this product are on the Canadian DSL
ENCS	:	YES. On the inventory, or in compliance with the inventory
ISHL	:	YES. On the inventory, or in compliance with the inventory
NZIoC	:	YES. On the inventory, or in compliance with the inventory
KECI	:	YES. On the inventory, or in compliance with the inventory
PICCS	:	YES. On the inventory, or in compliance with the inventory
IECSC	:	YES. On the inventory, or in compliance with the inventory

For explanation of abbreviations, see section 16.

TSCA list

TSCA 5(a)(2)	:	No substances are subject to a Significant New Use Rule.
TSCA 12(b)	:	No substances are subject to TSCA 12(b) export notification

requirements.

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)
Methanol	67-56-1	5000 lbs
Methanol	67-56-1	100 lbs
Methanol	67-56-1	5000 lbs
Methanol	67-56-1	100 lbs

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation
Specific target organ toxicity (single or repeated exposure)

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:
Methanol 67-56-1 1 - 5 %

Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):
Methanol 67-56-1 1 - 5 %

This product does not contain any chemicals subject to disclosure and listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):
Methanol 67-56-1 1 - 5 %

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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California Prop. 65

WARNING:

This product can expose you to chemicals including Methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. OTHER INFORMATION

Full text of H-Statements

H225	:	Highly flammable liquid and vapor.
H301	:	Toxic if swallowed.
H311	:	Toxic in contact with skin.
H319	:	Causes serious eye irritation.
H331	:	Toxic if inhaled.
H370	:	Causes damage to organs.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
CAL PEL	:	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit
CAL PEL / STEL	:	Short term exposure limit
CAL PEL / PEL	:	Permissible exposure limit
CAL PEL / C	:	Ceiling
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / TWA	:	8-hour time weighted average
OSHA P0 / STEL	:	Short-term exposure limit
OSHA Z-1 / TWA	:	8-hour time weighted average

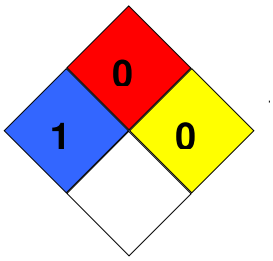
AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic

Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Further information

HMIS Classification : Health Hazard: 1
Flammability: 0
Physical hazards: 0

NFPA Classification : Health Hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0



Notification status explanation

TCSI	Taiwan Chemical Substance Inventory (TCSI)
TSCA	United States TSCA Inventory
AICS	Australia Inventory of Chemical Substances (AICS)
DSL	Canadian Domestic Substances List (DSL)
ENCS	Japan. ENCS - Existing and New Chemical Substances Inventory
ISHL	Japan. ISHL - Inventory of Chemical Substances
NZIoC	New Zealand. Inventory of Chemical Substances
KECI	Korea. Korean Existing Chemicals Inventory (KECI)
PICCS	Philippines Inventory of Chemicals and Chemical Substances (PICCS)
IECSC	China. Inventory of Existing Chemical Substances in China (IECSC)

Further information

Revision Date	07/29/2020

The information in this safety data sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The user must determine the appropriate measures that need to be implemented for the use and handling of this product in the c ontext of the user's operations and use of this product. The information contained herein supersedes all previously issued bulletins on the subject matter covered. If the date on this document is more than three years old,call to make certain that this sheet is current. No warranty is made as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. User must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. Nothing contained herein shall be construed as granting or extending any license under any patent.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.