

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version 2.0	Revision Date: 03/07/2024	SDS Number: 000000742656	Date of last issue: 01/12/2021 Date of first issue: 07/10/2020
----------------	------------------------------	-----------------------------	---

### SECTION 1. IDENTIFICATION

Product name : Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Product code : 000000000050465382

Other means of identification : MSeal TC 235 gray

#### Manufacturer or supplier's details

Company name of supplier : Sika MBCC US LLC

Address : 201 POLITO AVE  
Lyndhurst NJ 07071

Emergency telephone : ChemTel: +1-813-248-0585

#### Recommended use of the chemical and restrictions on use

Recommended use : One-pack performance coating

Restrictions on use : Reserved for industrial and professional use.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids : Category 3

Skin irritation : Category 2

Eye irritation : Category 2A

Respiratory sensitization : Category 1

Skin sensitization : Category 1

Reproductive toxicity : Category 1B

Specific target organ toxicity - repeated exposure (Inhalation) : Category 1 (Central nervous system)

Short-term (acute) aquatic hazard : Category 3

Long-term (chronic) aquatic hazard : Category 3

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version	Revision Date:	SDS Number:	Date of last issue: 01/12/2021
2.0	03/07/2024	000000742656	Date of first issue: 07/10/2020

### GHS label elements

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H226 Flammable liquid and vapor.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H360 May damage fertility or the unborn child.  
H372 Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

#### Prevention:

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe mist or vapors.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P285 In case of inadequate ventilation wear respiratory protection.

#### Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P341 IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version 2.0      Revision Date: 03/07/2024      SDS Number: 000000742656      Date of last issue: 01/12/2021  
Date of first issue: 07/10/2020

attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.  
P362 Take off contaminated clothing and wash before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : polyurethane

### Components

Chemical name	CAS-No.	Concentration (% w/w)
4,4'-methylenedicyclohexyl diisoncyanate	5124-30-1	$\geq 10 - < 20$
4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	98-56-6	$\geq 5 - < 10$
talc	14807-96-6	$\geq 5 - < 10$
Stoddard solvent	8052-41-3	$\geq 5 - < 10$
Calcium sulphate	7778-18-9	$\geq 5 - < 10$
Titanium dioxide	13463-67-7	$\geq 1 - < 5$
bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	41556-26-7	$\geq 0.1 - < 1$
dibutyltin dilaurate	77-58-7	$\geq 0.1 - < 0.3$
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	$\geq 0.1 - < 0.2$

Actual concentration is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

General advice : First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.  
If inhaled : If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.  
In case of skin contact : After contact with skin, wash immediately with plenty of water

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version 2.0	Revision Date: 03/07/2024	SDS Number: 000000742656	Date of last issue: 01/12/2021 Date of first issue: 07/10/2020
----------------	------------------------------	-----------------------------	---

- and soap.  
Under no circumstances should organic solvent be used.  
If irritation develops, seek medical attention.
- In case of eye contact : Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.  
Remove contact lenses, if present.
- If swallowed : Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.  
Do NOT induce vomiting.
- Most important symptoms and effects, both acute and delayed : Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May damage fertility or the unborn child.  
Causes damage to organs through prolonged or repeated exposure if inhaled.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Foam  
Water spray  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : water jet
- Specific hazards during fire fighting : See SDS section 10 - Stability and reactivity.
- Hazardous combustion products : harmful vapours  
nitrogen oxides  
fumes/smoke  
carbon black  
carbon oxides
- Further information : The degree of risk is governed by the burning substance and the fire conditions.  
If exposed to fire, keep containers cool by spraying with water.  
Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.  
Contaminated extinguishing water must be disposed of in accordance with official regulations.
- Special protective equipment for fire-fighters : Wear a self-contained breathing apparatus.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version	Revision Date:	SDS Number:	Date of last issue: 01/12/2021
2.0	03/07/2024	000000742656	Date of first issue: 07/10/2020

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Do not breathe vapour/aerosol/spray mists.  
Wear eye/face protection.  
Remove all sources of ignition.  
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.  
If exposed to high vapour concentration, leave area immediately.  
Use personal protective clothing.  
Handle in accordance with good building materials hygiene and safety practice.
- Environmental precautions : Contain contaminated water/firefighting water.  
Do not discharge into drains/surface waters/groundwater.
- Methods and materials for containment and cleaning up : 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 (see section 13).

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).  
Do not spray on a naked flame or any incandescent material.
- Advice on safe handling : Avoid aerosol formation.  
Avoid inhalation of mists/vapours.  
Avoid skin contact.  
Avoid contact with eyes.
- Conditions for safe storage : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.  
Keep tightly closed.  
Protect from direct sunlight.  
No smoking.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
4,4'-methylenedicyclohexyl	5124-30-1	TWA	0.005 ppm	ACGIH

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version 2.0      Revision Date: 03/07/2024      SDS Number: 000000742656      Date of last issue: 01/12/2021  
Date of first issue: 07/10/2020

diisoncyanate				
		C	0.01 ppm 0.11 mg/m3	NIOSH REL
		C	0.01 ppm 0.11 mg/m3	OSHA P0
talc	14807-96-6	TWA (Dust)	20 Million particles per cubic foot	OSHA Z-3
		TWA (respirable dust fraction)	2 mg/m3	OSHA P0
		TWA (Respirable)	2 mg/m3	NIOSH REL
		TWA	0.1 fibres per cubic centimeter	ACGIH
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
Stoddard solvent	8052-41-3	TWA	100 ppm	ACGIH
		TWA	350 mg/m3	NIOSH REL
		C	1,800 mg/m3	NIOSH REL
		TWA	500 ppm 2,900 mg/m3	OSHA Z-1
		TWA	100 ppm 525 mg/m3	OSHA P0
Calcium sulphate	7778-18-9	TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Inhalable particulate matter)	10 mg/m3 (Calcium)	ACGIH
Titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA (Respirable particulate matter)	0.2 mg/m3 (Titanium dioxide)	ACGIH
		TWA (Respirable particulate matter)	2.5 mg/m3 (Titanium dioxide)	ACGIH

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version 2.0      Revision Date: 03/07/2024      SDS Number: 000000742656      Date of last issue: 01/12/2021  
Date of first issue: 07/10/2020

		ter)		
dibutyltin dilaurate	77-58-7	TWA	0.1 mg/m3 (Tin)	OSHA Z-1
		TWA	0.1 mg/m3 (Tin)	ACGIH
		STEL	0.2 mg/m3 (Tin)	ACGIH
		TWA	0.1 mg/m3 (Tin)	OSHA P0
		TWA	0.1 mg/m3 (Tin)	NIOSH REL

**Engineering measures** : Ensure adequate ventilation.

### Personal protective equipment

Respiratory protection : Wear appropriate certified respirator when exposure limits may be exceeded.  
Use NIOSH approved respiratory protection.

Hand protection

Remarks : Wear chemical resistant protective gloves. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection : Wear safety glasses with side shields or goggles.

Skin and body protection : Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

Protective measures : Do not inhale gases/vapours/aerosols.  
Avoid contact with the skin, eyes and clothing.  
Avoid exposure - obtain special instructions before use.  
Handle in accordance with good building materials hygiene and safety practice.  
Wearing of closed work clothing is recommended.

Hygiene measures : When using, do not eat, drink or smoke.  
Hands and/or face should be washed before breaks and at the end of the shift.  
At the end of the shift the skin should be cleaned and skin-care agents applied.  
Remove contaminated clothing immediately and clean before re-use or dispose it if necessary.  
Gloves must be inspected regularly and prior to each use.  
Replace if necessary (e.g. pinhole leaks).

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version 2.0	Revision Date: 03/07/2024	SDS Number: 000000742656	Date of last issue: 01/12/2021 Date of first issue: 07/10/2020
----------------	------------------------------	-----------------------------	---

Color	:	gray
Odor	:	mild, aromatic
Odor Threshold	:	not determined
pH	:	No data available
Melting point/freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	approx. 131 °F / 55 °C
Evaporation rate	:	No data available
Flammability (liquids)	:	Flammable liquid and vapor.
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	approx. 1.16 g/cm <sup>3</sup> (68 °F / 20 °C)
Solubility(ies)		
Water solubility	:	No data available
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	not determined
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity		



# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version 2.0	Revision Date: 03/07/2024	SDS Number: 000000742656	Date of last issue: 01/12/2021 Date of first issue: 07/10/2020
----------------	------------------------------	-----------------------------	---

Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Not an oxidizer.
Sublimation point	: No data available
Molecular weight	: Not applicable

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability	: The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions	: Vapors may form explosive mixture with air.
Conditions to avoid	: See SDS section 7 - Handling and storage.
Incompatible materials	: Strong acids Strong bases Strong oxidizing agents Strong reducing agents
Hazardous decomposition products	: No hazardous decomposition products if stored and handled as prescribed/indicated.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified due to lack of data.

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version	Revision Date:	SDS Number:	Date of last issue: 01/12/2021
2.0	03/07/2024	000000742656	Date of first issue: 07/10/2020

### Respiratory sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### Germ cell mutagenicity

Not classified due to lack of data.

### Carcinogenicity

Not classified due to lack of data.

<b>IARC</b>	Group 2B: Possibly carcinogenic to humans	
	4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	98-56-6
	Group 2B: Possibly carcinogenic to humans	
	Titanium dioxide	13463-67-7

### Reproductive toxicity

May damage fertility or the unborn child.

### STOT-single exposure

Not classified due to lack of data.

### STOT-repeated exposure

Causes damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.

### Aspiration toxicity

Not classified due to lack of data.

### Further information

#### Product:

Remarks : Solvents may degrease the skin.

Remarks : Health injuries are not known or expected under normal use. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity : Harmful to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

#### Components:

#### Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:

M-Factor (Acute aquatic tox- : 1

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version	Revision Date:	SDS Number:	Date of last issue: 01/12/2021
2.0	03/07/2024	000000742656	Date of first issue: 07/10/2020

icity)

M-Factor (Chronic aquatic toxicity) : 1

### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with national, state and local regulations.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

UN/ID No. : UN 1263  
Proper shipping name : Paint  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version	Revision Date:	SDS Number:	Date of last issue: 01/12/2021
2.0	03/07/2024	000000742656	Date of first issue: 07/10/2020

### IMDG-Code

UN number : UN 1263  
Proper shipping name : PAINT

Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : no

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

Not applicable for product as supplied.

### Domestic regulation

#### 49 CFR

UN/ID/NA number : UN 1263  
Proper shipping name : PAINT

Class : C  
Packing group : III  
Labels : Combustible Liquid  
ERG Code : 128  
Marine pollutant : no

## SECTION 15. REGULATORY INFORMATION

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

4,4'-methylenedicyclohexyl diisoncyanate	5124-30-1	>= 10 - < 20 %
--	-----------	----------------

### US State Regulations

#### Pennsylvania Right To Know

4,4'-methylenedicyclohexyl diisoncyanate	5124-30-1
talc	14807-96-6
Stoddard solvent	8052-41-3
Calcium sulphate	7778-18-9
Titanium dioxide	13463-67-7

#### New Jersey Right To Know

4,4'-methylenedicyclohexyl diisoncyanate	5124-30-1
4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene	98-56-6
talc	14807-96-6
Stoddard solvent	8052-41-3
Calcium sulphate	7778-18-9
Titanium dioxide	13463-67-7

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version	Revision Date:	SDS Number:	Date of last issue: 01/12/2021
2.0	03/07/2024	000000742656	Date of first issue: 07/10/2020

### California Prop. 65

WARNING: This product can expose you to chemicals including 4-Chloro- $\alpha,\alpha,\alpha$ -trifluorotoluene, which is/are known to the State of California to cause cancer, and toluene, 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](http://www.P65Warnings.ca.gov).

### The ingredients of this product are reported in the following inventories:

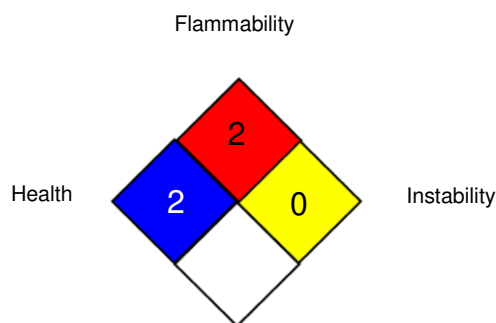
TSCA : All substances listed as active on the TSCA inventory

DSL : This product contains one or more components listed on the Canadian NDSL. All other components are on the Canadian DSL.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



#### HMIS® IV:

HEALTH		
FLAMMABILITY		
PHYSICAL HAZARD		

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA P0 : USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts

ACGIH / TWA : 8-hour, time-weighted average

ACGIH / STEL : Short-term exposure limit

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Sikalastic TC 235 gray Formerly MSeal TC 235 gray

Version	Revision Date:	SDS Number:	Date of last issue: 01/12/2021
2.0	03/07/2024	000000742656	Date of first issue: 07/10/2020

NIOSH REL / C	: Ceiling value not be exceeded at any time.
OSHA P0 / TWA	: 8-hour time weighted average
OSHA P0 / C	: Ceiling limit
OSHA Z-1 / TWA	: 8-hour time weighted average
OSHA Z-3 / TWA	: 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECL - Thailand Existing Chemicals Inventory; 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

Revision Date : 03/07/2024

The information provided in this 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.

US / EN