

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

---

### SECTION 1. IDENTIFICATION

Product name : SikaThorocoat-350 Aquasol medium tbase Formerly MProtect  
Product code : 000000000050417179

#### 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 : Functional surface 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)

Skin sensitization : Category 1  
Carcinogenicity (Inhalation) : Category 1A  
Specific target organ toxicity : Category 1 (Lungs)  
- repeated exposure (Inhalation)  
Specific target organ toxicity : Category 2 (Kidney, Immune system)  
- repeated exposure (Inhalation)  
Short-term (acute) aquatic hazard : Category 3  
Long-term (chronic) aquatic hazard : Category 3

#### GHS label elements

Hazard pictograms : The image shows two GHS hazard pictograms side-by-side. The first is a red diamond with a black silhouette of a person with a starburst on their chest, representing Health Hazard. The second is a red diamond with a black exclamation mark, representing a general hazard.

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

- Signal Word : Danger
- Hazard Statements : H317 May cause an allergic skin reaction.  
H350 May cause cancer by inhalation.  
H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.  
H373 May cause damage to organs (Kidney, Immune 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.  
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.
- Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.
- Storage:**  
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

- Substance / Mixture : Mixture
- Chemical nature : Aqueous solution

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Titanium dioxide	13463-67-7	>= 10 - < 20
Quartz (SiO <sub>2</sub> )	14808-60-7	>= 1 - < 5

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

Silicon dioxide	7631-86-9	$\geq 1 - < 5$
crystalite	14464-46-1	$\geq 1 - < 5$
1,3,5-Triazine-1,3,5(2H,4H,6H)-triethanol	4719-04-4	$\geq 0.1 - < 1$
diuron	330-54-1	$< 0.1$
carbendazim	10605-21-7	$< 0.1$
3-iodo-2-propynyl butylcarbamate	55406-53-6	$< 0.1$

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 and soap.  
Under no circumstances should organic solvent be used.  
If irritation develops, seek medical attention.
- In case of eye contact : Remove contact lenses, if present.  
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
- 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 : May cause an allergic skin reaction.  
May cause cancer by inhalation.  
Causes damage to organs through prolonged or repeated exposure if inhaled.  
Prolonged or repeated inhalation of respirable crystalline silica (quartz) may result in silicosis.
- 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.

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

---

- 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.
- 

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Do not breathe vapour/aerosol/spray mists.  
Wear eye/face protection.  
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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.
- 

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being
-

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

used.

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.

Further information on storage stability : PROTECT FROM FREEZING DURING THE COLD-SEASON (BELOW 40°F / 5°C ).

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH
Quartz (SiO2)	14808-60-7	TWA (Respirable dust)	0.05 mg/m3	OSHA Z-1
		TWA (respirable)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO2+5	OSHA Z-3
		TWA (respirable dust fraction)	0.1 mg/m3	OSHA P0
		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH
Silicon dioxide	7631-86-9	TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
		TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
		TWA	6 mg/m3 (Silica)	NIOSH REL
cristobalite	14464-46-1	TWA (Respirable dust)	0.05 mg/m3	OSHA Z-1
		TWA (respirable dust)	0.05 mg/m3	OSHA P0

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

		fraction)		
		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH
		TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
diuron	330-54-1	TWA	10 mg/m3	ACGIH
		TWA	10 mg/m3	NIOSH REL
		TWA	10 mg/m3	OSHA P0

**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

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

---

Color : off-white

Odor : mild, earthy

Odor Threshold : not determined

pH : 9 - 10 (77 °F / 25 °C)

Melting point : No data available

Boiling point : No data available

Flash point : > 200 °F / > 93 °C  
Method: Seta closed cup

Evaporation rate : No data available

Flammability (liquids) : The product is not flammable.

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 : 1.36 g/cm<sup>3</sup> (23 °F / -5 °C)  
11.7 lb/USg

Solubility(ies)  
Water solubility : partly miscible  
Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : Not applicable

Autoignition temperature : Based on the water content the product does not ignite.

Decomposition temperature : No decomposition if stored and handled as prescribed/indicated.

Viscosity  
Viscosity, dynamic : 5,600 mPa.s (74 °F / 23 °C)

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1	Revision Date: 09/30/2022	SDS Number: 000000552667	Date of last issue: 10/21/2021 Date of first issue: 07/29/2020
----------------	------------------------------	-----------------------------	---

---

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	:	The product is stable if stored and handled as prescribed/indicated.
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 based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitization

##### Skin sensitization

May cause an allergic skin reaction.

##### Respiratory sensitization

Not classified based on available information.



# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

---

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

May cause cancer by inhalation.

<b>IARC</b>	Group 1: Carcinogenic to humans Quartz (SiO <sub>2</sub> ) (Silica dust, crystalline)	14808-60-7
	Group 1: Carcinogenic to humans cristobalite (Silica dust, crystalline)	14464-46-1
	Group 2B: Possibly carcinogenic to humans Titanium dioxide	13463-67-7
<b>NTP</b>	Known to be human carcinogen Quartz (SiO <sub>2</sub> ) (Silica, Crystalline (Respirable Size))	14808-60-7
	Known to be human carcinogen cristobalite (Silica, Crystalline (Respirable Size))	14464-46-1

### Reproductive toxicity

Not classified based on available information.

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.  
May cause damage to organs (Kidney, Immune system) through prolonged or repeated exposure if inhaled.

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

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.

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

---

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

### **Components:**

#### **diuron:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

#### **carbendazim:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

#### **3-iodo-2-propynyl butylcarbamate:**

M-Factor (Acute aquatic toxicity) : 10

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.

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

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

##### 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.

#### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

### SECTION 15. REGULATORY INFORMATION

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
carbendazim	10605-21-7	10	27777

#### US State Regulations

##### Pennsylvania Right To Know

Titanium dioxide	13463-67-7
Quartz (SiO <sub>2</sub> )	14808-60-7
Silicon dioxide	7631-86-9
cristobalite	14464-46-1
diuron	330-54-1
ammonia, aqueous solution	1336-21-6
ammonia	7664-41-7

##### New Jersey Right To Know

Titanium dioxide	13463-67-7
Quartz (SiO <sub>2</sub> )	14808-60-7
cristobalite	14464-46-1

##### California Prop. 65

WARNING: This product can expose you to chemicals including Titanium dioxide, which is/are known to the State of California to cause cancer, and 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](http://www.P65Warnings.ca.gov).

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version 3.1      Revision Date: 09/30/2022      SDS Number: 000000552667      Date of last issue: 10/21/2021  
Date of first issue: 07/29/2020

### 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 not listed on the Canadian DSL or NDSL. All other components are on the Canadian DSL.

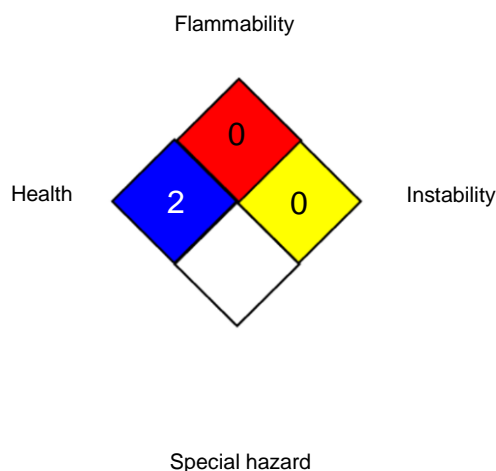
### Canadian lists

The following substance(s) is/are subject to a Significant New Activity Notification:  
carbendazim      10605-21-7

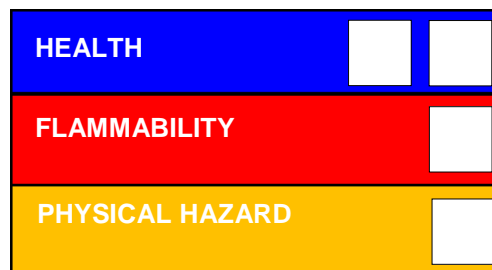
## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA 704:



#### HMIS® IV:



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
- NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
- OSHA P0 / TWA : 8-hour time weighted average
- OSHA Z-1 / TWA : 8-hour time weighted average
- OSHA Z-3 / TWA : 8-hour time weighted average

# SAFETY DATA SHEET

## SikaThorocoat-350 Aquasol medium tbase Formerly MProtect



Version	Revision Date:	SDS Number:	Date of last issue: 10/21/2021
3.1	09/30/2022	000000552667	Date of first issue: 07/29/2020

---

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; TECI - 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 : 09/30/2022

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