

MasterProtect HB 400 CS Neu TB

Version 1.1 Revision Date: 09/11/2021 SDS Number: 000000261306 Date of last issue: 09/11/2020
Date of first issue: 09/11/2020

SECTION 1. IDENTIFICATION

Product name : MasterProtect HB 400 CS Neu TB
Product code : 000000000051715215 000000000051715215

Manufacturer or supplier's details

Company name of supplier : Master Builders-Construction Systems
US, LLC
Address : 23700 CHAGRIN BLVD
Beachwood OH 44122
Emergency telephone : ChemTel: +1-813-248-0585
National Emergency Tele-
phone Number : USA: +1-800-255-3924 ChemTel contract no. MIS9240420

Recommended use of the chemical and restrictions on use

Recommended use : Waterproof 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)**

Carcinogenicity (Inhalation) : Category 1A
Specific target organ toxicity : Category 1 (Lungs)
- repeated exposure (Inhalation)
Specific target organ toxicity : Category 2 (Kidney)
- repeated exposure
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

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- Hazard pictograms : 
- Signal Word : Danger
- Hazard Statements : 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) through prolonged or repeated exposure.
 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.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- Response:**
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.
- 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

Chemical nature : Aqueous solution

Components

| Chemical name | CAS-No. | Concentration (% w/w) |
|--|------------|-----------------------|
| Limestone | 1317-65-3 | >= 15 - < 50 |
| Quartz (SiO ₂) | 14808-60-7 | >= 0.1 - < 1 |
| Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3- pentanediol | 25265-77-4 | >= 0 - < 3 |
| Mica group minerals | 12001-26-2 | >= 0.3 - < 3 |

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| | | |
|----------------------------------|------------|------------------|
| ethylene glycol | 107-21-1 | $\geq 0.3 - < 3$ |
| Isooctylphenol ethoxylate | 9036-19-5 | $\geq 0 - < 0.2$ |
| diuron | 330-54-1 | $\geq 0 - < 0.1$ |
| 3-iodo-2-propynyl butylcarbamate | 55406-53-6 | $\geq 0 - < 0.1$ |

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 : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. If eye irritation persists, consult a 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 cancer by inhalation. Causes damage to organs through prolonged or repeated exposure if inhaled. May cause damage to organs through prolonged or repeated exposure. 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 (CO₂)
- 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

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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 aerosol formation.
Avoid inhalation of mists/vapours.
Avoid skin contact.
Avoid contact with eyes.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.
Protect from direct sunlight.

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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 |
|---------------------|------------|---|--|--------------------------------|
| ethylene glycol | 107-21-1 | TWA (Vapor) | 25 ppm | ACGIH |
| | | STEL (Vapor) | 50 ppm | ACGIH |
| | | STEL (Inhalable fraction, Aerosol only) | 10 mg/m3 | ACGIH |
| | | C | 50 ppm 125 mg/m3 | OSHA P0 |
| diuron | 330-54-1 | TWA value | 10 mg/m3 | ACGIHTLV |
| | | REL value | 10 mg/m3 | NIOSH |
| | | TWA value | 10 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | TWA | 10 mg/m3 | ACGIH |
| | | TWA | 10 mg/m3 | NIOSH REL |
| | | TWA | 10 mg/m3 | OSHA P0 |
| Limestone | 1317-65-3 | 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 (Respirable) | 5 mg/m3 (Calcium carbonate) | NIOSH REL |
| | | TWA (total) | 10 mg/m3 (Calcium carbonate) | NIOSH REL |
| Mica group minerals | 12001-26-2 | TWA value (Respirable fraction) | 3 mg/m3 | ACGIHTLV |
| | | REL value (Respirable) | 3 mg/m3 | NIOSH |
| | | TWA value (Respirable dust) | 3 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | TWA value | 20 millions of particles per cubic foot of air | 29 CFR 1910.1000 (Table Z-3) |
| | | TWA (Res- | 0.1 mg/m3 | ACGIH |

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| | | pirable particulate matter) | | |
| | | TWA (Dust) | 20 Million particles per cubic foot | OSHA Z-3 |
| | | TWA (Respirable) | 3 mg/m ³ | NIOSH REL |
| | | TWA (respirable dust fraction) | 3 mg/m ³ | OSHA P0 |
| Quartz (SiO ₂) | 14808-60-7 | TWA (Respirable dust) | 0.05 mg/m ³ | OSHA Z-1 |
| | | TWA (respirable) | 10 mg/m ³ / %SiO ₂ +2 | OSHA Z-3 |
| | | TWA (respirable) | 250 mppcf / %SiO ₂ +5 | OSHA Z-3 |
| | | TWA (respirable dust fraction) | 0.1 mg/m ³ | OSHA P0 |
| | | TWA (Respirable particulate matter) | 0.025 mg/m ³ (Silica) | ACGIH |
| | | PEL (respirable) | 0.05 mg/m ³ | OSHA CARC |
| | | TWA (Respirable dust) | 0.05 mg/m ³ (Silica) | NIOSH REL |
| crystalline silica | 14808-60-7 | TWA (Respirable dust) | 0.05 mg/m ³ | OSHA Z-1 |
| | | TWA (respirable) | 10 mg/m ³ / %SiO ₂ +2 | OSHA Z-3 |
| | | TWA (respirable) | 250 mppcf / %SiO ₂ +5 | OSHA Z-3 |
| | | TWA (respirable dust fraction) | 0.1 mg/m ³ | OSHA P0 |
| | | TWA (Respirable particulate matter) | 0.025 mg/m ³ (Silica) | ACGIH |
| | | PEL (respirable) | 0.05 mg/m ³ | OSHA CARC |
| | | TWA (Respirable dust) | 0.05 mg/m ³ (Silica) | 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

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- | | |
|--------------------------|---|
| 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 | : Impermeable protective clothing 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 |
| Color | : pigmented |
| Odor | : sweetish, slight odour |
| Odor Threshold | : not determined |
| pH | : 9.5 - 10 |
| Melting point | : No data available |
| Boiling point | : 379 - 401 °F / 193 - 205 °C |
| Flash point | : > 200 °F / > 93 °C |
| Evaporation rate | : No data available |
| Flammability (liquids) | : not highly flammable |

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| | Method: derived from flash point |
| Upper explosion limit / Upper flammability limit | : 15.3 %(V) |
| Lower explosion limit / Lower flammability limit | : 3.2 %(V) |
| Vapor pressure | : No data available |
| Relative vapor density | : Heavier than air. |
| Relative density | : No data available |
| Density | : 1.57 - 1.70 g/cm ³ (68 °F / 20 °C) |
| Solubility(ies) | |
| Water solubility | : partly soluble |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : not applicable for mixtures |
| Autoignition temperature | : No data available |
| Decomposition temperature | : No decomposition if stored and handled as prescribed/indicated. |
| Viscosity | |
| Viscosity, dynamic | : No data available |
| Viscosity, kinematic | : No data available |
| Explosive properties | : Not explosive |
| Oxidizing properties | : Based on its structural properties the product is not classified as oxidizing. |
| Sublimation point | : No data available |
| Molecular weight | : No data available |

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. |

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Conditions to avoid : See SDS section 7 - Handling and storage.

Incompatible materials : Strong oxidizing agents
Strong bases
Strong acids

Hazardous decomposition products : irritant gases/vapours
carbon oxides

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**

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

May cause cancer by inhalation.

| | | |
|-------------|---|------------|
| IARC | Group 1: Carcinogenic to humans crystalline silica (Silica dust, crystalline) | 14808-60-7 |
|-------------|---|------------|

| | | |
|-------------|--|------------|
| OSHA | OSHA specifically regulated carcinogen crystalline silica (crystalline silica) | 14808-60-7 |
|-------------|--|------------|

| | | |
|------------|---|------------|
| NTP | Known to be human carcinogen crystalline silica (Silica, Crystalline (Respirable Size)) | 14808-60-7 |
|------------|---|------------|

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

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STOT-repeated exposure

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

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

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

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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****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

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION**CERCLA Reportable Quantity**

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

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

| | | |
|-----------------|----------|--------------|
| ethylene glycol | 107-21-1 | >= 1 - < 5 % |
|-----------------|----------|--------------|

US State Regulations**Pennsylvania Right To Know**

| | |
|---------------------|------------|
| Limestone | 1317-65-3 |
| crystalline silica | 14808-60-7 |
| Mica group minerals | 12001-26-2 |
| ethylene glycol | 107-21-1 |

New Jersey Right To Know

| | |
|---------------------|------------|
| Limestone | 1317-65-3 |
| crystalline silica | 14808-60-7 |
| Mica group minerals | 12001-26-2 |
| ethylene glycol | 107-21-1 |

California Prop. 65

WARNING: This product can expose you to chemicals including crystalline silica, which is/are known to the State of California to cause cancer, and ethylene glycol, 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.

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

DSL : All components of this product are on the Canadian DSL

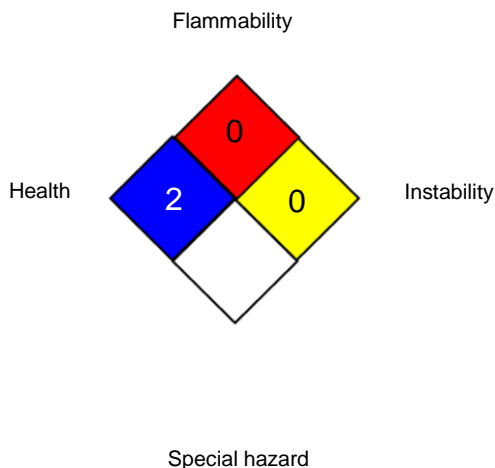
TSCA : All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

SECTION 16. OTHER INFORMATION**Further information**

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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

- 29 CFR 1910.1000 (Table Z-1-A) : OSHA - Table Z-1-A (29 CFR 1910.1000)
- 29 CFR 1910.1000 (Table Z-3) : OSHA Table Z-3 (Mineral Dusts) 29 CFR 1910.1000
- ACGIH : USA. ACGIH Threshold Limit Values (TLV)
- ACGIHTLV : American Conference of Governmental Industrial Hygienists - threshold limit values (US)
- NIOSH : NIOSH Pocket Guide to Chemical Hazards (US)
- NIOSH REL : USA. NIOSH Recommended Exposure Limits
- OSHA CARC : OSHA Specifically Regulated Chemicals/Carcinogens
- 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
- OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
- 29 CFR 1910.1000 (Table Z-1-A) / TWA value : Time Weighted Average (TWA):
- 29 CFR 1910.1000 (Table Z-3) / TWA value : Time Weighted Average (TWA):
- ACGIH / TWA : 8-hour, time-weighted average
- ACGIH / STEL : Short-term exposure limit
- ACGIHTLV / TWA value : Time Weighted Average (TWA):
- NIOSH / REL value : Recommended exposure limit (REL):
- NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
- OSHA CARC / PEL : Permissible exposure limit (PEL)
- 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

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AIIIC - 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 : 09/11/2021

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.

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