

MasterProtect HB 400 CS UDP TB

Version 1.0 Revision Date: 09/29/2020 SDS Number: 000000261309 Date of last issue: -
Date of first issue: 09/29/2020

SECTION 1. IDENTIFICATION

Product name : MasterProtect HB 400 CS UDP TB
Product code : 000000000051715427 000000000051715427

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


Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals
Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200**

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

GHS label elements

Hazard pictograms : 

Signal Word : Danger

MasterProtect HB 400 CS UDP TB

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 09/29/2020 | 000000261309 | Date of first issue: 09/29/2020 |

Hazard Statements : H350 May cause cancer.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H372 Causes damage to organs through prolonged or repeated exposure if inhaled.
 H402 Harmful to aquatic life.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P201 Obtain special instructions before use.
 P260 Do not breathe dust or mist.
 P202 Do not handle until all safety precautions have been read and understood.
 P273 Avoid release to the environment.
 P270 Do not eat, drink or smoke when using this product.
 P264 Wash face, hands and any exposed skin thoroughly after handling.

Response:
 P314 Get medical advice/ attention if you feel unwell.
 P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.

Storage:
 P405 Store locked up.

Disposal:
 P501 Dispose of contents/container to appropriate hazardous waste collection point.

Other hazards

No data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Components**

| Chemical name | CAS-No. | Concentration (% w/w) |
|---|------------|-----------------------|
| Limestone | 1317-65-3 | >= 15 - < 50 |
| Quartz (SiO ₂) | 14808-60-7 | >= 15 - < 20 |
| Titanium dioxide | 13463-67-7 | >= 1 - < 10 |
| Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol | 25265-77-4 | >= 0 - < 3 |
| ethyleneglycol | 107-21-1 | >= 0.3 - < 3 |
| ammonia | 7664-41-7 | >= 0 - < 0.3 |
| Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy- | 9036-19-5 | >= 0 - < 0.2 |
| diuron | 330-54-1 | >= 0 - < 0.1 |
| 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate | 55406-53-6 | >= 0 - < 0.1 |

MasterProtect HB 400 CS UDP TB

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 09/29/2020 | 000000261309 | Date of first issue: 09/29/2020 |

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Show this material safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.
- 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 : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : May cause cancer.
Causes damage to organs through prolonged or repeated exposure if inhaled.
May cause damage to organs through prolonged or repeated exposure.
- Notes to physician : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- 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.

MasterProtect HB 400 CS UDP TB

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 09/29/2020 | 000000261309 | Date of first issue: 09/29/2020 |

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

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 : Product is not explosive.

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.

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.

Materials to avoid : Observe VCI storage rules.

Further information on storage stability : No data available

MasterProtect HB 400 CS UDP TB

Version 1.0 Revision Date: 09/29/2020 SDS Number: 000000261309 Date of last issue: -
 Date of first issue: 09/29/2020

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|----------------|-----------|---|--|--------------------------------------|
| ethyleneglycol | 107-21-1 | TWA value (Vapor fraction) | 25 ppm | ACGIHTLV |
| | | STEL value (Vapor fraction) | 50 ppm | ACGIHTLV |
| | | STEL value (Aerosol, inhalable.) | 10 mg/m3 | ACGIHTLV |
| | | 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 | REL value (Respirable) | 5 mg/m3 | NIOSH |
| | | REL value (Total) | 10 mg/m3 | NIOSH |
| | | PEL (Respirable fraction) | 5 mg/m3 | 29 CFR 1910.1000 (Table Z-1) |
| | | PEL (Total dust) | 15 mg/m3 | 29 CFR 1910.1000 (Table Z-1) |
| | | TWA value (Respirable fraction) | 5 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | TWA value (Total dust) | 15 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | TWA (total dust) | 15 mg/m3 | OSHA Z-1 |
| | | TWA (respirable fraction) | 5 mg/m3 | OSHA Z-1 |

MasterProtect HB 400 CS UDP TB

Version 1.0 Revision Date: 09/29/2020 SDS Number: 000000261309 Date of last issue: -
 Date of first issue: 09/29/2020

| | | | | |
|------------------|------------|---------------------------------|---------------------------------|--------------------------------------|
| | | 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 |
| ammonia | 7664-41-7 | STEL value | 35 ppm | ACGIHTLV |
| | | TWA value | 25 ppm | ACGIHTLV |
| | | REL value | 25 ppm 18 mg/m3 | NIOSH |
| | | STEL value | 35 ppm 27 mg/m3 | NIOSH |
| | | PEL | 50 ppm 35 mg/m3 | 29 CFR 1910.1000 (Table Z-1) |
| | | STEL value | 35 ppm 27 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | TWA | 50 ppm 35 mg/m3 | OSHA Z-1 |
| | | STEL | 35 ppm 27 mg/m3 | OSHA P0 |
| | | TWA | 25 ppm (Ammonia) | ACGIH |
| | | STEL | 35 ppm (Ammonia) | ACGIH |
| | | TWA | 25 ppm 18 mg/m3 (Ammonia) | NIOSH REL |
| | | ST | 35 ppm 27 mg/m3 (Ammonia) | NIOSH REL |
| Titanium dioxide | 13463-67-7 | TWA value | 10 mg/m3 | ACGIHTLV |
| | | PEL (Total dust) | 15 mg/m3 | 29 CFR 1910.1000 (Table Z-1) |
| | | TWA value (Total dust) | 10 mg/m3 | 29 CFR 1910.1000 (Table Z-1-A) |
| | | 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 value (Respirable fraction) | 0.025 mg/m3 | ACGIHTLV |
| | | TWA value | 0.05 mg/m3 | 29 CFR |

MasterProtect HB 400 CS UDP TB

Version 1.0 Revision Date: 09/29/2020 SDS Number: 000000261309 Date of last issue: -
 Date of first issue: 09/29/2020

| | | | | |
|--|--|-------------------------------------|----------------------------------|-----------------------|
| | | | (Respirable dust) | 1910.1001-1050 |
| | | OSHA Action level | 0.025 mg/m3 (Respirable dust) | 29 CFR 1910.1001-1050 |
| | | REL value (Respirable dust) | 0.05 mg/m3 | NIOSH |
| | | TWA (Respirable dust) | 0.05 mg/m3 | OSHA Z-1 |
| | | TWA (respirable) | 10 mg/m3 / %SiO ₂ +2 | OSHA Z-3 |
| | | TWA (respirable) | 250 mppcf / %SiO ₂ +5 | OSHA Z-3 |
| | | TWA (respirable dust fraction) | 0.1 mg/m3 | OSHA P0 |
| | | TWA (Respirable particulate matter) | 0.025 mg/m3 (Silica) | ACGIH |
| | | PEL (respirable) | 0.05 mg/m3 | OSHA CARC |
| | | TWA (Respirable dust) | 0.05 mg/m3 (Silica) | NIOSH REL |

Engineering measures : No applicable information available.

Personal protective equipment

Respiratory protection : Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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

MasterProtect HB 400 CS UDP TB

Version 1.0 Revision Date: 09/29/2020 SDS Number: 000000261309 Date of last issue: -
Date of first issue: 09/29/2020

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : pigmented

Odor : sweetish, slight odour

Odor Threshold : No data available

pH : 9.5 - 10

Melting temperature : No data available.

Boiling point : 379.00 - 401.00 °F / 192.78 - 205.00 °C

Flash point : 200.01 °F / 93.34 °C

Evaporation rate : No applicable information available.

Flammability (solid, gas) : not determined

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 : 1.57 - 1.70

Density : 1.57 - 1.70 g/cm³ (68 °F / 20 °C)

Bulk density : not applicable

Solubility(ies)

 Water solubility : partly soluble

 Solubility in other solvents : No applicable information available.

Partition coefficient: n-octanol/water : No data available.

Autoignition temperature : No data available

Decomposition temperature : No decomposition if stored and handled as pre-

MasterProtect HB 400 CS UDP TB

Version 1.0 Revision Date: 09/29/2020 SDS Number: 000000261309 Date of last issue: -
Date of first issue: 09/29/2020

scribed/indicated.

Viscosity
Viscosity, dynamic : No applicable information available.

Viscosity, kinematic : No applicable information available.

Explosive properties : Not explosive
Not explosive

Oxidizing properties : Based on its structural properties the product is not classified as oxidizing.

Sublimation point : No applicable information available.

Molecular weight : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.

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.

Product:

Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : Remarks: No applicable information available.

Acute dermal toxicity : Remarks: No applicable information available.

Skin corrosion/irritation

Not classified based on available information.

MasterProtect HB 400 CS UDP TB

Version 1.0 Revision Date: 09/29/2020 SDS Number: 000000261309 Date of last issue: -
Date of first issue: 09/29/2020

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.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure if inhaled.
May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration hazard expected.

Further information**Product:**

Remarks : No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability**Components:****Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]- .omega.-hydroxy-:**

Biodegradability : aerobic
Inoculum: activated sludge, domestic, non-adapted
Result: Readily biodegradable.
Biodegradation: 90 %
Exposure time: 28 d
Method: Modified OECD-Screening-Test.

MasterProtect HB 400 CS UDP TB

Version 1.0 Revision Date: 09/29/2020 SDS Number: 000000261309 Date of last issue: -
Date of first issue: 09/29/2020

Bioaccumulative potential**Components:****Quartz (SiO₂):**

Partition coefficient: n-octanol/water : Remarks: not applicable

Titanium dioxide:

Partition coefficient: n-octanol/water : Remarks: not applicable

Isobutyric acid, monoester with 2,2,4-trimethylpentane-1,3-diol:

Partition coefficient: n-octanol/water : log Pow: 3.2 (77 °F / 25 °C)
pH: 7
Method: Partition coefficient (n-octanol/water), HPLC method.
GLP: no

ethyleneglycol:

Partition coefficient: n-octanol/water : log Pow: approx. -1.36 (73 °F / 23 °C)
Method: Calculation Hansch/Leo
GLP: no data
Remarks: Information taken from reference works and the literature.

ammonia:

Partition coefficient: n-octanol/water : log Pow: 0.23 (68 °F / 20 °C)
Method: other (calculated)
Remarks: The value has not been determined because the substance is inorganic.

Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]- .omega.-hydroxy-:

Bioaccumulation : Remarks: Accumulation in organisms is not to be expected.

3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate:

Partition coefficient: n-octanol/water : log Pow: 2.81 (77 °F / 25 °C)
Method: Partition coefficient (n-octanol/water), Shake-flask method
GLP: yes

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.
Harmful to aquatic life with long lasting effects.

MasterProtect HB 400 CS UDP TB

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 09/29/2020 | 000000261309 | Date of first issue: 09/29/2020 |

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

- Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container.
Dispose of in accordance with national, state and local regulations.
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

SECTION 15. REGULATORY INFORMATION

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

ethyleneglycol 107-21-1

US State Regulations**Pennsylvania Right To Know**

| | |
|---------------------|------------|
| ethyleneglycol | 107-21-1 |
| Limestone | 1317-65-3 |
| Mica-group minerals | 12001-26-2 |
| Titanium dioxide | 13463-67-7 |
| crystalline silica | 14808-60-7 |

New Jersey Right To Know

| | |
|----------------|-----------|
| ethyleneglycol | 107-21-1 |
| Limestone | 1317-65-3 |

MasterProtect HB 400 CS UDP TB

| | | | |
|----------------|------------------------------|-----------------------------|--|
| Version 1.0 | Revision Date: 09/29/2020 | SDS Number: 000000261309 | Date of last issue: - Date of first issue: 09/29/2020 |
|----------------|------------------------------|-----------------------------|--|

| | |
|--|------------|
| Mica-group minerals | 12001-26-2 |
| Titanium dioxide | 13463-67-7 |
| crystalline silica | 14808-60-7 |
| Quartz (SiO ₂) | 14808-60-7 |
| Quartz (SiO ₂) | 14808-60-7 |
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 |

California Prop. 65

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

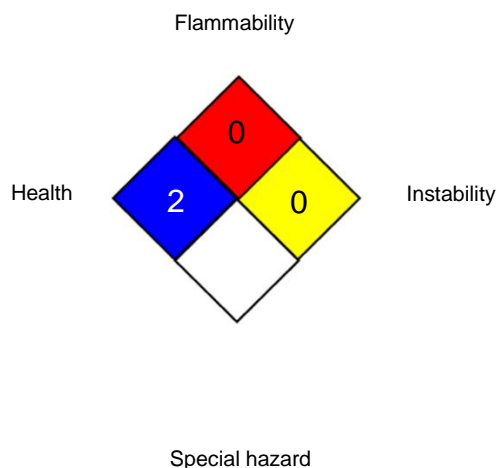
The ingredients of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

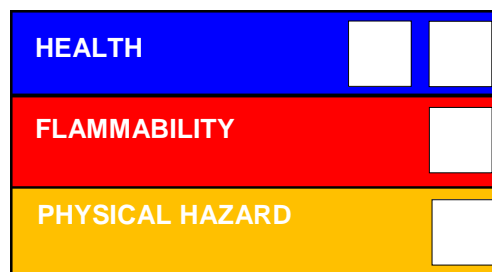
SECTION 16. OTHER INFORMATION

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

- 29 CFR 1910.1000 (Table Z-1-A) : OSHA - Table Z-1-A (29 CFR 1910.1000)
- 29 CFR 1910.1000 (Table Z-1) : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000
- 29 CFR 1910.1001-1050 : OSHA - Specifically Regulated Substances (29 CFR 1910.1001-1050)
- 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

MasterProtect HB 400 CS UDP TB

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 09/29/2020 | 000000261309 | Date of first issue: 09/29/2020 |

| | | |
|---|---|---|
| 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) / STEL value | : | Short Term Exposure Limit (STEL): |
| 29 CFR 1910.1000 (Table Z-1-A) / TWA value | : | Time Weighted Average (TWA): |
| 29 CFR 1910.1000 (Table Z-1) / PEL | : | Permissible exposure limit |
| 29 CFR 1910.1001-1050 / OSHA Action level | : | OSHA Action level: |
| 29 CFR 1910.1001-1050 / TWA value | : | Time Weighted Average (TWA): |
| ACGIH / TWA | : | 8-hour, time-weighted average |
| ACGIH / STEL | : | Short-term exposure limit |
| ACGIHTLV / STEL value | : | Short Term Exposure Limit (STEL): |
| ACGIHTLV / TWA value | : | Time Weighted Average (TWA): |
| NIOSH / REL value | : | Recommended exposure limit (REL): |
| NIOSH / STEL value | : | Short Term Exposure Limit (STEL): |
| 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 CARC / PEL | : | Permissible exposure limit (PEL) |
| OSHA P0 / TWA | : | 8-hour time weighted average |
| OSHA P0 / STEL | : | Short-term exposure limit |
| OSHA P0 / C | : | Ceiling limit |
| OSHA Z-1 / TWA | : | 8-hour time weighted average |
| OSHA Z-3 / TWA | : | 8-hour time weighted average |

AICS - Australian Inventory of Chemical Substances; 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

MasterProtect HB 400 CS UDP TB

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: - |
| 1.0 | 09/29/2020 | 000000261309 | Date of first issue: 09/29/2020 |

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; 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 : 09/29/2020

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

US / EN