

MasterProtect EL 850 TB ultradeep

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
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SECTION 1. IDENTIFICATION

Product name : MasterProtect EL 850 TB ultradeep

Product code : 00000000051703343 00000000051703343

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

Short-term (acute) aquatic

hazard

Category 3

Long-term (chronic) aquatic

hazard

Category 3

GHS label elements

Hazard pictograms

Signal Word : Danger

Hazard Statements : H350i May cause cancer by inhalation.

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.

P202 Do not handle until all safety precautions have been read

and understood.



MasterProtect EL 850 TB ultradeep

Version Revision Date: SDS Number: Date of last issue: 10/02/2020 2.0 03/19/2021 000000261064 Date of first issue: 10/02/2020

P273 Avoid release to the environment.

Response:

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

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 15 - < 50
Titanium dioxide	13463-67-7	>= 1 - < 3
Silicon dioxide	7631-86-9	>= 0.3 - < 3
zinc oxide	1314-13-2	>= 0.3 - < 3
Quartz (SiO2) particle size < 63 µm	14808-60-7	>= 0 - < 1
2-amino-2-methylpropanol	124-68-5	>= 0.1 - < 1
diuron	330-54-1	>= 0 - < 0.2
3-iodo-2-propynyl butylcarbamate	55406-53-6	>= 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

May cause cancer by inhalation.



MasterProtect EL 850 TB ultradeep

Version **Revision Date:** SDS Number: Date of last issue: 10/02/2020 000000261064 Date of first issue: 10/02/2020 2.0 03/19/2021

delayed

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 prod: :

ucts

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 self-contained breathing apparatus for firefighting if nec-

essary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

tive equipment and emer-

gency procedures

Personal precautions, protec- : Use personal protective equipment.

Contain contaminated water/firefighting water. Environmental precautions

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 Do not breathe vapors/dust.

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
 Date of first issue: 10/02/2020

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 ap-

plication area.

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

used.

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 stor-

age 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.

Recommended storage tem: :

perature

> 41 °F / > 5 °C

Further information on stor-

age 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
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
zinc oxide	1314-13-2	TWA value	2 mg/m3	ACGIHTLV
		(Respirable		
		fraction)		
		STEL value	10 mg/m3	ACGIHTLV
		(Respirable		
		fraction)		
		REL value	5 mg/m3	NIOSH
		(fumes/smok		
		e)		



 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
 Date of first issue: 10/02/2020

REL value	5 mg/m3	NIOSH
(dust)	40 / 0	NICOLL
STEL value	10 mg/m3	NIOSH
(fumes/smok		
e) Ceil_Time	15 mg/m3	NIOSH
(dust)	15 mg/ms	NIOSH
PEL (Total	15 mg/m3	29 CFR
dust)	13 mg/m3	1910.1000
dusty		(Table Z-1)
PEL (Respir-	5 mg/m3	29 CFR
able fraction)	J. M. G. M. G.	1910.1000
,		(Table Z-1)
PEL	5 mg/m3	29 CFR
(fumes/smok		1910.1000
e)		(Table Z-1)
TWA value	5 mg/m3	29 CFR
(fumes/smok		1910.1000
e)		(Table Z-1-A)
TWA value	5 mg/m3	29 CFR
(Respirable		1910.1000
fraction) TWA value	10 mg/m2	(Table Z-1-A) 29 CFR
(Total dust)	10 mg/m3	1910.1000
(Total dust)		(Table Z-1-A)
STEL value	10 mg/m3	29 CFR
(fumes/smok	10 1119/1110	1910.1000
e)		(Table Z-1-A)
TWA (Res-	2 mg/m3	ACGIH
pirable par-		
ticulate mat-		
ter)		
STEL (Res-	10 mg/m3	ACGIH
pirable par-		
ticulate mat-		
ter)	E malmo	NIOCLIDEI
TWA (Dust)	5 mg/m3	NIOSH REL
TWA (Fumes)	5 mg/m3	NIOSH REL
ST (Fumes)	10 mg/m3	NIOSH REL
C (Dust)	15 mg/m3	NIOSH REL
TWA	5 mg/m3	OSHA Z-1
(Fumes)	39,1110	00.17.2
TWA (total	15 mg/m3	OSHA Z-1
dust)	gs	
TWA (respir-	5 mg/m3	OSHA Z-1
able fraction)		
TWA (Total	10 mg/m3	OSHA P0
dust)		
TWA (respir-	5 mg/m3	OSHA P0
able dust		
fraction)		
TWA	5 mg/m3	OSHA P0
(Fumes)		



MasterProtect EL 850 TB ultradeep

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
 Date of first issue: 10/02/2020

		STEL (Fumes)	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
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Res- pirable)	5 mg/m3 (Calcium car- bonate)	NIOSH REL
		TWA (total)	10 mg/m3 (Calcium car- bonate)	NIOSH REL
Silicon dioxide	7631-86-9	REL value	6 mg/m3	NIOSH
		TWA value	6 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 value	0.8 mg/m3	29 CFR 1910.1000 (Table Z-3)
		TWA (Dust)	20 Million parti- cles 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
Titanium dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTLV



MasterProtect EL 850 TB ultradeep

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
 Date of first issue: 10/02/2020

		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) particle size < 63 μm	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
		TWA value	0.05 mg/m3 (Respirable dust)	29 CFR 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 (respir- able)	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
		PEL (respir- able)	0.05 mg/m3	OSHA CARC
		TWA (Res- pirable dust)	0.05 mg/m3 (Silica)	NIOSH REL

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

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

sary.

Hand protection

Remarks : Wear chemical resistant protective gloves. Manufacturer's

directions for use should be observed because of great di-

versity of types.



MasterProtect EL 850 TB ultradeep

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
 Date of first issue: 10/02/2020

Eye protection : Safety glasses with side-shields.

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 : mild, like acrylic

Odor Threshold : not determined

pH : 8 - 9.5

Melting point : No data available

Boiling point : 212 °F / 100 °C

Flash point : A flash point determination is unnecessary due to the high

water content.

Evaporation rate : No data available

Flammability (liquids) : Not classified as a flammability hazard

Upper explosion limit / Upper

flammability limit

No data available

Vapor pressure : No data available



MasterProtect EL 850 TB ultradeep

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
 Date of first issue: 10/02/2020

Relative vapor density : Heavier than air.

Relative density : 1.27

Density : approx. 1.20 g/cm3 (68 °F / 20 °C)

approx. 10.56 lb/USg

Solubility(ies)

Water solubility : partly soluble

Autoignition temperature : No data available

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

scribed/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 pre-

scribed/indicated.

Chemical stability : The product is stable if stored and handled as pre-

scribed/indicated.

Possibility of hazardous reac-

tions

The product is stable if stored and handled as pre-

scribed/indicated.

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

Incompatible materials : Strong bases

Strong acids

Hazardous decomposition

products

In case of fire hazardous decomposition products may be

produced such as:

carbon oxides



MasterProtect EL 850 TB ultradeep

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
 Date of first issue: 10/02/2020

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.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

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.



MasterProtect EL 850 TB ultradeep

Version Revision Date: SDS Number: Date of last issue: 10/02/2020 2.0 03/19/2021 000000261064 Date of first issue: 10/02/2020

Components:

zinc oxide:

M-Factor (Acute aquatic tox- :

icity)

M-Factor (Chronic aquatic

toxicity)

diuron:

M-Factor (Acute aquatic tox- : 10

icity)

M-Factor (Chronic aquatic

toxicity)

10

: 1

3-iodo-2-propynyl butylcarbamate:

M-Factor (Acute aquatic tox- : 10

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 infor-

mation

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 regula-

tions.

Residues should be disposed of in the same manner as the

substance/product.

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 sub-

stance/product.



 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
 Date of first issue: 10/02/2020

SECTION 14. TRANSPORT INFORMATION

International Regulations

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

Not applicable for product as supplied.

Domestic regulation

SECTION 15. REGULATORY INFORMATION

US State Regulations

Pennsylvania Right To Know

propane-1,2-diol	57-55-6
zinc oxide	1314-13-2
Limestone	1317-65-3
Silicon dioxide	7631-86-9
Titanium dioxide	13463-67-7

New Jersey Right To Know

propane-1,2-diol	57-55-6
zinc oxide	1314-13-2
Limestone	1317-65-3
Titanium dioxide	13463-67-7
Quartz (SiO2) particle size < 63 μm	14808-60-7
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5

California Prop. 65

WARNING: This product can expose you to chemicals including cadmium, 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:

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.

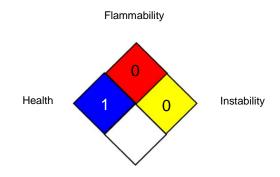
SECTION 16. OTHER INFORMATION

Further information

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
 Date of first issue: 10/02/2020

NFPA 704:



Special hazard

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- : OSHA - Table Z-1-A (29 CFR 1910.1000)

1-A)

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR

1910.1000

29 CFR 1910.1000 (Table Z- : OSHA Table Z-3 (Mineral Dusts) 29 CFR 1910.1000

3)

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

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 Lim-

its for Air Contaminants

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

eral Dusts

29 CFR 1910.1000 (Table Z- : Short Term Exposure Limit (STEL):

1-A) / STEL value

29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):

1-A) / TWA value

29 CFR 1910.1000 (Table Z- : Permissible exposure limit

1) / PEL

29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):

3) / TWA value

29 CFR 1910.1001-1050 / : OSHA Action level:

OSHA Action level

29 CFR 1910.1001-1050 / : Time Weighted Average (TWA):

TWA value

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



Version Revision Date: SDS Number: Date of last issue: 10/02/2020 2.0 03/19/2021 000000261064 Date of first issue: 10/02/2020

ACGIH / STEL : Short-term exposure limit

ACGIHTLV / STEL value : Short Term Exposure Limit (STEL): ACGIHTLV / TWA value : Time Weighted Average (TWA):

NIOSH / Ceil Time : Ceiling Limit Value and Time Period (if specified):

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

NIOSH REL / C : Ceiling value not be exceeded at any time.

OSHA CARC / PEL : Permissible exposure limit (PEL)
OSHA P0 / TWA : 8-hour time weighted average
OSHA P0 / STEL : Short-term exposure 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 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 : 03/19/2021



 Version
 Revision Date:
 SDS Number:
 Date of last issue: 10/02/2020

 2.0
 03/19/2021
 000000261064
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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.

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