

SAFETY DATA SHEET

SikaThorolastic-750 fine pastel tintbase Formerly MProtect EL 750 FN Pas TB



Version 2.0 Revision Date: 11/07/2020 SDS Number: 000000261439 Date of last issue: 08/07/2020
Date of first issue: 08/07/2020

SECTION 1. IDENTIFICATION

Product name : SikaThorolastic-750 fine pastel tintbase Formerly MProtect EL 750 FN Pas TB

Product code : 000000000051718978

Other means of identification : MProtect EL 750 FN Pas TB

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 : Waterproof coating
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 - repeated exposure : Category 2 (Kidney)

Short-term (acute) aquatic hazard : Category 3

Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H350 May cause cancer by inhalation.
H373 May cause damage to organs (Kidney) through prolonged or repeated exposure.

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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 dust/ fume/ gas/ mist/ vapours/ spray.
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
No data available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Aqueous solution
acrylic polymers

Components

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 30 - < 50
Titanium dioxide	13463-67-7	>= 5 - < 10
Perlite, expanded	93763-70-3	>= 1 - < 5
ethylene glycol	107-21-1	>= 1 - < 5
Silicon dioxide	7631-86-9	>= 0.1 - < 1
zinc oxide	1314-13-2	>= 0.1 - < 1
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	>= 0.1 - < 1
Quartz (SiO2)	14808-60-7	>= 0.1 - < 1
diuron	330-54-1	< 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,

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- remove to fresh air and seek medical attention.
- In case of skin contact : Wash thoroughly with soap and water
- In case of eye contact : Wash affected eyes for at least 15 minutes under running water with eyelids held open.
- 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.
May cause damage to organs through prolonged or repeated exposure.
- 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
carbon black
carbon oxides
- 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.
- 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
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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 : 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.
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.
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.
- Recommended storage temperature : > 41 °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
Limestone	1317-65-3	REL value (Respirable)	5 mg/m3	NIOSH

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		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 (Respirable)	5 mg/m3 (Calcium carbonate)	NIOSH REL
		TWA (total)	10 mg/m3 (Calcium carbonate)	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
Perlite, expanded	93763-70-3	REL value (Respirable)	5 mg/m3	NIOSH
		REL value (Total)	10 mg/m3	NIOSH
		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)

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		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
ethylene glycol	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
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 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
zinc oxide	1314-13-2	TWA value (Respirable fraction)	2 mg/m3	ACGIHTLV
		STEL value (Respirable fraction)	10 mg/m3	ACGIHTLV
		REL value	5 mg/m3	NIOSH

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		(fumes/smoke)		
		REL value (dust)	5 mg/m3	NIOSH
		STEL value (fumes/smoke)	10 mg/m3	NIOSH
		Ceil_Time (dust)	15 mg/m3	NIOSH
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (fumes/smoke)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (fumes/smoke)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Total dust)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		STEL value (fumes/smoke)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (Respirable particulate matter)	2 mg/m3	ACGIH
		STEL (Respirable particulate matter)	10 mg/m3	ACGIH
		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 (Fumes)	5 mg/m3	OSHA Z-1
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA (respir-	5 mg/m3	OSHA P0

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		able dust fraction)		
		TWA (Fumes)	5 mg/m3	OSHA P0
		STEL (Fumes)	10 mg/m3	OSHA P0
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	TWA value (Inhalable fraction)	5 mg/m3	ACGIHTLV
		STEL value (Mist)	10 mg/m3	NIOSH
		REL value (Mist)	5 mg/m3	NIOSH
		REL value	350 mg/m3	NIOSH
		Ceil_Time	1,800 mg/m3	NIOSH
		PEL (Mist)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (Mist)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
Quartz (SiO2)	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
		TWA value (Respirable dust)	0.05 mg/m3	29 CFR 1910.1001-1050
		OSHA Action level (Respirable dust)	0.025 mg/m3	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 / %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 mat-	0.025 mg/m3 (Silica)	ACGIH

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		ter)		
		PEL (respirable)	0.05 mg/m3	OSHA CARC
		TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
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

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

Hand protection

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

Eye protection : Safety glasses with side-shields.

Skin and body protection : light protective clothing

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

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Color : pigmented

Odor : sweetish, slight odour

Odor Threshold : not determined

pH : approx. 9.2 - 10.0

Melting point : No applicable information 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 flammable

Upper explosion limit / Upper flammability limit : 15.3 %(V)

Lower explosion limit / Lower flammability limit : 3.2 %(V)

Relative vapor density : Heavier than air.

Relative density : 1.2 - 1.4

Density : approx. 1.2 - 1.4 g/cm³ (68 °F / 20 °C)

Solubility(ies)

 Water solubility : soluble (68 °F / 20 °C)

 Solubility in other solvents : No applicable information available.

Autoignition temperature : No data available

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

Viscosity

 Viscosity, dynamic : No applicable information available.

 Viscosity, kinematic : No applicable information available.

Explosive properties : Not explosive

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

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Sublimation point : No applicable information available.

Molecular weight : No data available

Metal corrosion rate : Corrosive effects to metal are not anticipated.

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

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.

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Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

May cause damage to organs (Kidney) through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : 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:

zinc oxide:

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

diuron:

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

Persistence and degradability

Components:

Quartz (SiO₂):

Biodegradability : Remarks: Not applicable

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Bioaccumulative potential

Components:

Perlite, expanded:

Partition coefficient: n-octanol/water : Remarks: The value has not been determined because the substance is inorganic.

ethylene glycol:

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.

zinc oxide:

Partition coefficient: n-octanol/water : Remarks: The value has not been determined because the substance is inorganic.

Distillates (petroleum), solvent-dewaxed heavy paraffinic:

Partition coefficient: n-octanol/water : Remarks: Study technically not feasible.

Mobility in soil

Components:

zinc oxide:

Distribution among environmental compartments : Adsorption
Medium: water - soil
log Kd: 1.15
Method: Calculation method
Remarks: Not applicable

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.
Residues should be disposed of in the same manner as the

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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 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:

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

US State Regulations

Pennsylvania Right To Know

Limestone	1317-65-3
Titanium dioxide	13463-67-7
Perlite, expanded	93763-70-3
ethylene glycol	107-21-1
zinc oxide	1314-13-2
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0
diuron	330-54-1
ammonia	7664-41-7
ammonia, aqueous solution	1336-21-6

New Jersey Right To Know

Limestone	1317-65-3
Titanium dioxide	13463-67-7
Perlite, expanded	93763-70-3
ethylene glycol	107-21-1

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Distillates (petroleum), solvent-dewaxed heavy paraffinic 64742-65-0
Quartz (SiO₂) 14808-60-7

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 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:

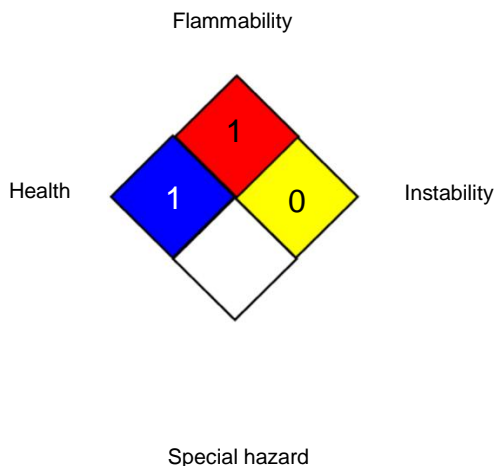
TSCA : All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

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

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH		
FLAMMABILITY		
PHYSICAL HAZARD		

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

Full text of other abbreviations

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

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	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) / 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 1910.1000 (Table Z-3) / TWA value	: Time Weighted Average (TWA):
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 / 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 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 - In-

SAFETY DATA SHEET

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ternational 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 : 11/07/2020

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