

# SAFETY DATA SHEET

## SikaThorolastic-750 coarse series U Formerly MProtect EL 750 CS Ser U



Version 1.0      Revision Date: 11/05/2020      SDS Number: 000000261436      Date of last issue: -  
Date of first issue: 11/05/2020

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### SECTION 1. IDENTIFICATION

Product name : SikaThorolastic-750 coarse series U Formerly MProtect EL 750 CS Ser U

Product code : 000000000051718713

#### 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 : Product for construction chemicals

Restrictions on use : Reserved for industrial and professional use.

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### 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)

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.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

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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.  
P273 Avoid release to the environment.  
P260 Do not breathe dust or mist.

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

**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

Chemical nature : No data available.

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 15 - <= 50
Perlite, expanded	93763-70-3	>= 5 - <= 7
Titanium dioxide	13463-67-7	>= 1 - <= 5
ethyleneglycol	107-21-1	>= 1 - < 3
zinc oxide	1314-13-2	>= 0.3 - < 1
Quartz (SiO2)	14808-60-7	>= 0 - < 1
Poly(oxy-1,2-ethanediyl), .alpha.- [[1,1,3,3-tetramethylbutyl)phenyl]- .omega.-hydroxy-	9036-19-5	>= 0.1 - < 1
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

### 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 : If unconscious, place in recovery position and seek medical

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- advice.  
If symptoms persist, call a physician.
- 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.  
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 (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : See SDS section 7 - Handling and storage.  
  
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.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

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- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- 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.
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### 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 : 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.
- 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
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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of)	Control parameters / Permissible	Basis
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		exposure)	concentration	
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
zinc oxide	1314-13-2	TWA value (Respirable fraction)	2 mg/m3	ACGIHTLV
		STEL value (Respirable fraction)	10 mg/m3	ACGIHTLV
		REL value (fumes/smoke)	5 mg/m3	NIOSH
		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	5 mg/m3	29 CFR

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		(fumes/smoke)		1910.1000 (Table Z-1-A)
		TWA value (Respirable fraction)	5 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Total dust)	10 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		STEL value (fumes/smoke)	10 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)
		TWA (Respirable particulate matter)	2 mg/m <sup>3</sup>	ACGIH
		STEL (Respirable particulate matter)	10 mg/m <sup>3</sup>	ACGIH
		TWA (Dust)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (Fumes)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Fumes)	10 mg/m <sup>3</sup>	NIOSH REL
		C (Dust)	15 mg/m <sup>3</sup>	NIOSH REL
		TWA (Fumes)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Total dust)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Fumes)	5 mg/m <sup>3</sup>	OSHA P0
		STEL (Fumes)	10 mg/m <sup>3</sup>	OSHA P0
Limestone	1317-65-3	REL value (Respirable)	5 mg/m <sup>3</sup>	NIOSH
		REL value (Total)	10 mg/m <sup>3</sup>	NIOSH
		PEL (Respirable fraction)	5 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1)
		PEL (Total dust)	15 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1)
		TWA value (Respirable fraction)	5 mg/m <sup>3</sup>	29 CFR 1910.1000 (Table Z-1-A)

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		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)
		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
Quartz (SiO2)	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV

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		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 (respirable)	10 mg/m3 / %SiO <sub>2</sub> +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO <sub>2</sub> +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.



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

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: pigmented
Odor	: sweetish, slight odour
Odor Threshold	: No data available
pH	: 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 highly flammable 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	: 1.2 - 1.4
Density	: approx. 1.00 g/cm <sup>3</sup> (68 °F / 20 °C)
Bulk density	: Not applicable
Solubility(ies)	
Water solubility	: soluble
Solubility in other solvents	: soluble
Partition coefficient: n-octanol/water	: No data available.

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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 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

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### 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

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### 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.

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### **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.

#### **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 through prolonged or repeated exposure.

#### **Aspiration toxicity**

Not classified based on available information.

#### **Product:**

No aspiration hazard expected.

#### **Components:**

##### **Perlite, expanded:**

Not applicable

##### **zinc oxide:**

Not applicable

#### **Further information**

##### **Product:**

Remarks : No data available

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### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### 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 (SiO<sub>2</sub>):**

Biodegradability : Remarks: Not applicable

##### **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.

#### Bioaccumulative potential

##### Components:

##### **Perlite, expanded:**

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

##### **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.

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### **zinc oxide:**

Partition coefficient: n-octanol/water : 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**

#### **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 : 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.

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## 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.

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## SECTION 14. TRANSPORT INFORMATION

### **International Regulations**

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### 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

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## 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
Titanium dioxide	13463-67-7

#### New Jersey Right To Know

ethyleneglycol	107-21-1
Limestone	1317-65-3
Titanium dioxide	13463-67-7
Perlite, expanded	93763-70-3
Quartz (SiO <sub>2</sub> )	14808-60-7
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5

#### California Prop. 65

WARNING: This product can expose you to chemicals including lead, 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](http://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

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## SECTION 16. OTHER INFORMATION

### Further information

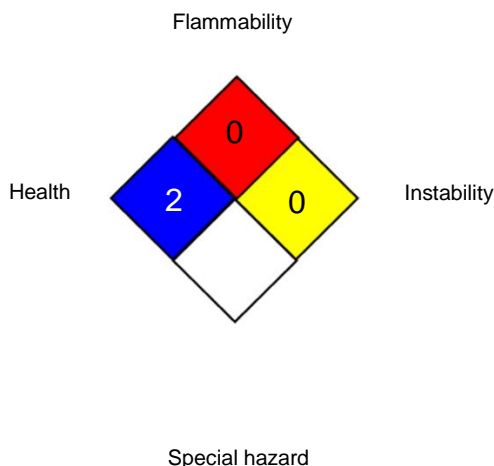
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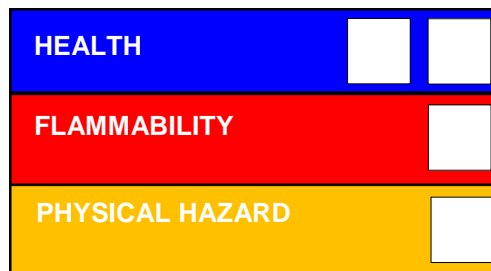


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### NFPA 704:



### 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
- 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):

# SAFETY DATA SHEET

## SikaThorolastic-750 coarse series U Formerly MProtect EL 750 CS Ser U



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11/05/2020	000000261436	Date of first issue: 11/05/2020

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 - 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 : 11/05/2020



# SAFETY DATA SHEET

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