## SENERFLEX TERSUS F1.0 COL CLR



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**SECTION 1. IDENTIFICATION** 

Product name : SENERFLEX TERSUS F1.0 COL CLR

Product code : 00000000050304276

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.

### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with 29 CFR 1910.1200

Skin sensitization : Category 1

Carcinogenicity (Inhalation) : 1A

Specific target organ toxicity

- repeated exposure (Inhala-

tion)

Specific target organ toxicity

- repeated exposure (Inhala-

tion)

2 (Kidney, Immune system)

**GHS** label elements

Hazard pictograms



Category 1



Signal Word : Danger

Hazard Statements : H317 May cause an allergic skin reaction.

H350 May cause cancer.

H372 Causes damage to organs through prolonged or repeated

exposure if inhaled.

H373 May cause damage to organs through prolonged or re-

peated exposure.

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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.

P270 Do not eat, drink or smoke when using this product. P264 Wash face, hands and any exposed skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

#### Response:

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

P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap

and water.

P362 + P364 Take off contaminated clothing and wash it before reuse.

## 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)
crystalline silica	14808-60-7	>= 25 - < 50
Mica-group minerals	12001-26-2	>= 1 - <= 3
Kieselguhr, soda ash flux-calcined	68855-54-9	>= 0.3 - <= 3
Cellulose	9004-34-6	>= 0.3 - <= 3
2,2',2"-(hexahydro-1,3,5-triazine-	4719-04-4	>= 0.1 - < 0.3
1,3,5-triyl)triethanol		
cristobalite	14464-46-1	>= 0 - < 1

### **SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.

Show this material safety data sheet to the doctor in attend-

ance.

Do not leave the victim unattended.

If inhaled : Consult a physician after significant exposure.

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If unconscious, place in recovery position and seek medical

advice.

In case of skin contact : If on skin, rinse well with water.

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 an allergic skin reaction.

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

See SDS section 10 - Stability and reactivity.

Hazardous combustion prod: :

ucts

nitrogen oxides fumes/smoke

harmful vapours

carbon black carbon oxides

Further information : Standard procedure for chemical fires.

Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Special protective equipment :

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

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#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec: : tive equipment and emer-

gency 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**

fire and explosion

Advice on protection against : 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 ap-

plication area.

Provide sufficient air exchange and/or exhaust in work rooms. 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

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.

Materials to avoid Segregate from incompatible substances.

Further information on stor-

age stability

No data available

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Ingredients with workplace control parameters

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Components	CAS-No.	Value type	Control parame-	Basis
Components	CAS-NO.	(Form of	ters / Permissible	Dasis
		exposure)	concentration	
Cellulose	9004-34-6	TWA value	10 mg/m3	ACGIHTLV
Condicos	0001010	REL value	5 mg/m3	NIOSH
		(Respirable)	5g,	
		REL value	10 mg/m3	NIOSH
		(Total)		
		PEL (Respir-	5 mg/m3	29 CFR
		able fraction)		1910.1000
				(Table Z-1)
		PEL (Total	15 mg/m3	29 CFR
		dust)		1910.1000
				(Table Z-1)
		TWA value	5 mg/m3	29 CFR
		(Respirable		1910.1000
		fraction)	45	(Table Z-1-A)
		TWA value	15 mg/m3	29 CFR
		(Total dust)		1910.1000
		TWA	10 mg/m2	(Table Z-1-A) ACGIH
		TWA (Res-	10 mg/m3 5 mg/m3	NIOSH REL
		pirable)	5 mg/ms	NIOSH KEL
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (total)	15 mg/m3	OSHA Z-1
		dust)	10 1119/1110	0011/12 1
		TWA (respir-	5 mg/m3	OSHA Z-1
		able fraction)	3	
		TWA (Total	15 mg/m3	OSHA P0
		dust)		
		TWA (respir-	5 mg/m3	OSHA P0
		able dust		
		fraction)		
Mica-group minerals	12001-26-2	TWA value	3 mg/m3	ACGIHTLV
		(Respirable		
		fraction)		
		REL value	3 mg/m3	NIOSH
		(Respirable) TWA value	2 mg/m2	20 CEP
		(Respirable	3 mg/m3	29 CFR 1910.1000
		dust)		(Table Z-1-A)
		TWA value	20 millions of	29 CFR
		I vv/ value	particles per cubic	1910.1000
			foot of air	(Table Z-3)
		TWA (Res-	3 mg/m3	ACGIH
		pirable par-		
		ticulate mat-		
		ter)		
		TWA (Dust)	20 Million parti- cles per cubic foot	OSHA Z-3
		TWA (Respirable)	3 mg/m3	NIOSH REL
		TWA (respir-	3 mg/m3	OSHA P0
	I	able dust	1	1

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	1	fraction)		I
cristobalite	14464-46-1	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
		TWA (Res- pirable dust)	0.05 mg/m3	OSHA Z-1
		TWA (respirable dust fraction)	0.05 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
Kieselguhr, soda ash flux- calcined	68855-54-9	REL value	6 mg/m3	NIOSH
		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)
		OSHA Action level	0.025 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
		TWA value	0.05 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
		TWA (Dust)	20 Million parti- cles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m3 (Silica)	NIOSH REL
crystalline silica	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
		REL value (Respirable dust)	0.05 mg/m3	NIOSH
		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
		TWA (Respirable dust)	0.05 mg/m3	OSHA Z-1
		TWA (respir-	10 mg/m3 /	OSHA Z-3

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able)	%SiO2+2	
TWA (respir-	250 mppcf /	OSHA Z-3
able)	%SiO2+5	
TWA (respir-	0.1 mg/m3	OSHA P0
able dust		
fraction)		
TWA (Res-	0.025 mg/m3	ACGIH
pirable par-	(Silica)	
ticulate mat-		
ter)		
PEL (respir-	0.05 mg/m3	OSHA CARC
able)		
TWA (Res-	0.05 mg/m3	NIOSH REL
pirable dust)	(Silica)	

**Engineering measures** : Wear appropriate respiratory protection.

Personal protective equipment

Respiratory protection : Wear appropriate certified respirator when exposure limits

may be exceeded.

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.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : viscous

Color : off-white

Odor : mild

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Odor Threshold : No data available

pH : 8.5 - 9.5 (74 °F / 23 °C)

Melting point : No applicable information available.

Boiling point : No applicable information available.

Flash point :  $> 200 \, ^{\circ}\text{F} \, / > 93 \, ^{\circ}\text{C}$ 

Method: Standard Method of Test for Flash Point by Setaflash

Closed Tester, closed cup > 199.9 °F / > 93.3 °C

Method: Standard Method of Test for Flash Point by Setaflash

Closed Tester, closed cup

Evaporation rate : No applicable information available.

Flammability (solid, gas) : not determined

Self-ignition : Based on the water content the product does not ignite.

Upper explosion limit / Upper

flammability limit

No applicable information available.

Lower explosion limit / Lower

flammability limit

No applicable information available.

Vapor pressure : No applicable information available.

Relative vapor density : No applicable information available.

Relative density : No applicable information available.

Density : 15 lb/USg (74 °F / 23 °C)

Solubility(ies)

Water solubility : No data available

No applicable information available.

Solubility in other solvents : No applicable information available.

Partition coefficient: n-

octanol/water

: No applicable information available.

Autoignition temperature : Based on the water content the product does not ignite.

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

scribed/indicated.

Viscosity

Viscosity, dynamic : 113 mPa.s (74 °F / 23 °C)

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Viscosity, kinematic : No applicable information available.

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 reac-

tions

No decomposition if stored and applied as directed.

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.

**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.

**Product:** 

Remarks : May cause skin irritation and/or dermatitis.

#### Serious eye damage/eye irritation

Not classified based on available information.

**Product:** 

Remarks : Vapors may cause irritation to the eyes, respiratory system

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and the skin.

## Respiratory or skin sensitization

#### Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

Not classified based on available information.

#### **Product:**

Remarks : Causes sensitization.

### 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.

#### **Further information**

## **Product:**

Remarks : No data available

### **SECTION 12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

No data available

## Persistence and degradability

No data available

## **Bioaccumulative potential**

## **Components:**

### crystalline silica:

Partition coefficient: n- : Remarks: not applicable

octanol/water

## Kieselguhr, soda ash flux-calcined:

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Partition coefficient: n-

octanol/water

Remarks: not applicable

2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol:

Partition coefficient: n- : log Pow: -2 (75 °F / 24 °C)

octanol/water pH: 7

Method: Partition coefficient

GLP: yes

cristobalite:

Partition coefficient: n-

octanol/water

Remarks: The value has not been determined because the

substance is inorganic.

Mobility in soil

No data available

Other adverse effects

**Product:** 

Additional ecological infor-

mation

There is a high probability that the product is not acutely

harmful to aquatic organisms.

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 : Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Dispose of in accordance with national, state and local regula-

tions.

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.

#### **SECTION 14. TRANSPORT INFORMATION**

#### International Regulations

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** 

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**49 CFR** 

Not regulated as a dangerous good

## **SECTION 15. REGULATORY INFORMATION**

### **US State Regulations**

## Pennsylvania Right To Know

Cellulose	9004-34-6
Mica-group minerals	12001-26-2
Kieselguhr, soda ash flux-calcined	68855-54-9
crystalline silica	14808-60-7

#### **New Jersey Right To Know**

Cellulose	9004-34-6
Mica-group minerals	12001-26-2
crystalline silica	14808-60-7
cristobalite	14464-46-1

### California Prop. 65

WARNING: This product can expose you to chemicals including acetaldehyde, which is/are known to the State of California to cause cancer, and

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

### **SECTION 16. OTHER INFORMATION**

#### **Further information**

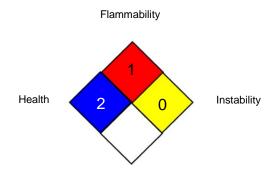
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#### NFPA 704:



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)

1910.1000

1-A)

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

)

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: 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
ACGIHTLV / TWA value : Time Weighted Average (TWA):
NIOSH / REL value : Recommended exposure limit (REL):

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NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

OSHA CARC / PEL : Permissible exposure limit (PEL)
OSHA P0 / TWA : 8-hour time weighted average
OSHA 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

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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.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE

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