



## Safety Data Sheet

This safety data sheet complies with the requirements of: 2012 OSHA Hazard Communication Standard ( 29CFR 1910.1200)

**Product name** Spill-X-C® Caustic Neutralizer

### 1. Identification

#### 1.1. Product Identifier

**Product name** Spill-X-C® Caustic Neutralizer

#### 1.2. Other means of identification

**Product code** 076089  
**Synonyms** None  
**Chemical Family** No information available

#### 1.3. Recommended use of the chemical and restrictions on use

**Recommended use** Spill Control Products.  
**Uses advised against** Consumer use.

#### 1.4. Details of the Supplier of the Safety Data Sheet

**Company Name** Tyco Fire Protection Products  
One Stanton Street  
Marinette, WI 54143-2542  
Telephone: 715-735-7411  
**Contact point** Product Stewardship at 1-715-735-7411  
**E-mail address** psra@tycofp.com

#### 1.5. Emergency Telephone Number

**Emergency telephone** CHEMTREC 001-800-424-9300 or 001-703-527-3887

### 2. Hazards Identification

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation - Category 2A

#### 2.2. Label Elements

##### Signal Word

WARNING

##### Hazard Statements

Causes serious eye irritation  
May form combustible dust concentrations in air



#### Precautionary Statements



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#### Prevention

Wash face, hands and any exposed skin thoroughly after handling. Wear eye/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### 2.3. Hazards Not Otherwise Classified (HNOC)

Not Applicable.

#### 2.4. Other Information

May be harmful if swallowed.

Unknown Acute Toxicity

99.5% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/information on Ingredients

#### 3.1. Mixture

The following component(s) in this product are considered hazardous under applicable OSHA(USA)

Chemical name	CAS No.	weight-%
Fumaric Acid	110-17-8	10 - 30
Attapulgite	12174-11-7	10 - 30
Quartz	14808-60-7	1 - 5

### 4. First aid measures

#### 4.1. Description of first aid measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. (Get medical attention immediately if symptoms occur.).
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without medical advice. Aspiration hazard if swallowed - can enter lungs and cause damage. If swallowed, call a poison control center or physician immediately.

#### 4.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms** Eye irritation.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Note to physicians** Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

### 5. Fire-fighting measures

#### 5.1. Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.



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## **5.2. Unsuitable Extinguishing Media**

None.

## **5.3. Specific Hazards Arising from the Chemical**

None known.

<b>Hazardous Combustion Products</b>	Carbon oxides
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## **5.4. Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

## **5.5. Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# **6. Accidental release measures**

## **6.1. Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Do not breathe dust.
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<b>For emergency responders</b>	Use personal protection recommended in Section 8.
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## **6.2. Environmental Precautions**

<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.
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## **6.3. Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	If sweeping of a contaminated area is necessary use a dust suppressing agent which does not react with product. Prevent further leakage or spillage if safe to do so.
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<b>Methods for Cleaning Up</b>	Sweep up and shovel into suitable containers for disposal. Clean up material with vacuum equipped with HEPA filter. Following product recovery, flush area with water.
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# **7. Handling and Storage**

## **7.1. Precautions for Safe Handling**

<b>Advice on safe handling</b>	Avoid generation of dust. Do not breathe dust. Do not enter storage areas or confined spaces unless adequately ventilated. Handle in accordance with good industrial hygiene and safety practice.
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## **7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep containers tightly closed in a cool, well-ventilated place. Guard against dust accumulation of material. Use care in handling/storage.
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<b>Incompatible Materials</b>	None known.
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**8. Exposure Controls/Personal Protection**

**8.1. Control Parameters**

**Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL
Attapulgite 12174-11-7	TWA: 1 mg/m <sup>3</sup> respirable particulate matter	-	-	-
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter	: (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust	TWA 0.1 mg/m <sup>3</sup> (VLE-PPT)

ACGIH (American Conference of Governmental Industrial Hygienists) OSHA (Occupational Safety and Health Administration of the US Department of Labor) NIOSH IDLH Immediately Dangerous to Life or Health

**8.2. Appropriate Engineering Controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**8.3. Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Avoid contact with eyes. Tight sealing safety goggles.

**Skin and Body Protection** Wear protective gloves and protective clothing.

**Respiratory Protection** In case of inadequate ventilation wear respiratory protection.

**Ventilation** Use local exhaust or general dilution ventilation to control exposure with applicable limits

**8.4. General hygiene considerations**

Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Keep away from food, drink and animal feeding stuffs. Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and Chemical Properties**

**9.1. Information on basic physical and chemical properties**

<b>Physical State</b>	powder	<b>Color</b>	Light brown
<b>Odor</b>	None		
<b>Odor Threshold</b>	No data available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point/freezing point	No data available	
Boiling point / boiling range	No data available	
Flash Point	No data available	
Evaporation Rate	No data available	
Flammability (solid, gas)	No data available	
Flammability limit in air		
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor Pressure	No data available	



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Vapor Density	No data available
Specific gravity	No data available
Water Solubility	No data available
Solubility in Other Solvents	No data available
Partition coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic viscosity	No data available

## 10. Stability and Reactivity

### 10.1. Chemical Stability

Stable under normal conditions.

### 10.2. Reactivity

None known

### 10.3. Possibility of hazardous reactions

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### 10.4. Conditions to Avoid

None known.

### 10.5. Incompatible Materials

None known.

### 10.6. Hazardous decomposition products

Carbon oxides.

## 11. Toxicological Information

### 11.1. Information on Likely Routes of Exposure

#### Product information

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	Severely irritating to eyes.
<b>Skin contact</b>	May cause irritation.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes. May be harmful if swallowed.

#### Component Information

##### Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Fumaric Acid	= 9300 mg/kg ( Rat )	> 20000 mg/kg ( Rabbit )	-



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110-17-8			
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**11.2. Information on Toxicological Effects**

**Symptoms** No information available.

**11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin Corrosion/Irritation** No information available.  
**Serious eye damage/eye irritation** Severely irritating to eyes.  
**Sensitization** No information available.  
**Germ Cell Mutagenicity** No information available.  
**Carcinogenicity** Attapulgite (palygorskite fibers) is a hydrated magnesium aluminum silicate. Long palygorskite (attapulgite) fibers (>5 micrometers) are possibly carcinogenic to humans (Group 2B). Short palygorskite (attapulgite) fibers (<5 micrometers) cannot be classified as to their carcinogenicity to humans (Group 3). The attapulgite present in this product contains fibers 0.5-2.5 um range, so would be considered by IARC as Group 3.

Chemical name	ACGIH	IARC	NTP	OSHA
Attapulgite 12174-11-7	-	Group 3	-	X
Quartz 14808-60-7	A2	Group 1	Known	X

*ACGIH (American Conference of Governmental Industrial Hygienists)  
 A2 - Suspected Human Carcinogen  
 IARC (International Agency for Research on Cancer)  
 Not classifiable as a human carcinogen  
 Group 1 - Carcinogenic to Humans  
 NTP (National Toxicology Program)  
 Known - Known Carcinogen  
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
 X - Present*

Component Information		
Quartz (14808-60-7)		
Method	species	Results
Per Supplier		In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosols is classified by the German MAK commission as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen and NTP listed carcinogen.

**Reproductive Toxicity** No information available.  
**STOT - Single Exposure** No information available.  
**STOT - Repeated Exposure** No information available.  
**Target organ effects** Eyes, Lungs, Respiratory System.  
**Aspiration Hazard** No information available.

**11.4. Numerical Measures of Toxicity - Product information**



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The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 4598 mg/kg  
ATEmix (dermal) 20572 mg/kg

## 12. Ecological Information

### 12.1. Ecotoxicity

Not classified.

2.67% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Citric Acid 77-92-9	-	LC50 (96h) static = 1516 mg/L Lepomis macrochirus	EC50 (72h) = 120 mg/L Daphnia magna
Fumaric Acid 110-17-8	EC50 (72h) = 41 mg/L Desmodesmus subspicatus	LC50 (48h) static = 245 mg/L Brachydanio rerio	EC50 (48h) 204 - 220 mg/L Daphnia magna EC50 (24h) = 73.6 mg/L Daphnia magna

### 12.2. Persistence and Degradability

No information available.

### 12.3. Bioaccumulation

No information available.

Chemical name	Partition coefficient
Fumaric Acid 110-17-8	0.33

### 12.4. Other Adverse Effects

No information available

## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Do not reuse container.

## 14. Transport Information

**DOT** NOT REGULATED

**TDG** NOT REGULATED

**MEX** NOT REGULATED

**ICAO (air)** NOT REGULATED

**IATA** NOT REGULATED



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IMDG

NOT REGULATED

**15. Regulatory Information**

**15.1. International Inventories**

TSCA	Complies
DSL/NDSL	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Does not comply
PICCS	Complies
AICS	Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**15.2. US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic health hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Fumaric Acid 110-17-8	5000 lb	-	-	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Fumaric Acid 110-17-8	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**15.3. US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals





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Chemical name	California Proposition 65
Attapulgite - 12174-11-7	Carcinogen
Quartz - 14808-60-7	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Fumaric Acid 110-17-8	X	X	X
Quartz 14808-60-7	X	X	X

**16. Other information, including date of preparation of the last revision**

<b>NFPA</b>	Health Hazards 2	Flammability 0	Instability 0	Physical and chemical properties -
<b>HMIS</b>	Health Hazards 2	Flammability 0	Physical Hazards 0	Personal Protection X

Revision date 28-Jul-2017

Revision note No information available.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet