

# MATERIAL SAFETY DATA SHEET

**No. 20059-22**

Identity (As Used on Label and List)

- **Date Prepared:** August 20, 2008

## SUPERIOR SHIELD 20059VCF

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### 1. PRODUCT AND COMPANY INFORMATION

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**Product Name:** Superior Shield

**Synonym:** Fluoropolymer

**General Use:** Coating

**MSDS Number:** 20059-22

**Manufacturer**

**Company Name:** Shield Products

**Address:** 2796 Clydo Road

**Telephone No.:** 904-880 6060

**Facsimile No.:** 904-645 6155

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**CHEMTREC (US): 800-424-9300 24hours**

**MEDICAL EMERGENCY:** (904) 880-6060

**Customer Service:** 904-880-6959

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	%
Fluoropolymer	88795-12-4	98<
Xylene	1330-20-7	1>

( VOC ( g / l. by wt. ): negligible = .0589 gram per gal )

CA ( 45.45) grams per gal = 100 Grams per kilo.

**OSHA Hazardous Components (29 CFR 1910.1200)**

None

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### 3. HAZARDS IDENTIFICATION

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**Emergency overview**

This product is not hazardous in OSHA.

**Potential Health Effects In**

**contact with skin:** Non-toxic.

**In contact with eyes:**

May cause mechanical irritation with discomfort and tearing.

**Additional information**

Carbonyl fluoride and hydrogen fluoride may be evolved when the product is heated more than 230deg.C or burned. Inhalation of fumes from overheating the product may cause eye, nose, throat, and lung irritation. Inhalation of low concentration of Hydrogen Fluoride can initially include symptoms of choking, cyanosis, and pulmonary edema.

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#### 4. FIRST AID MEASURES

- **Inhalation:** Remove victims to fresh air. Seek medical attention.
- **Skin contact:** Remove contaminated clothing and wash well affected skin with plenty of soap and water. Seek medical attention.
- **Eye contact:** Flush eyes including eyelids, with plenty of water for at least 15 minutes. Get medical attention.
- **Ingestion:** Wash mouth out with water; give half pint water to drink. Don't induce vomiting. Get medical attention

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#### 5. FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:** Use dry chemical, alcohol-resistant foam, water spray or carbon dioxide for surrounding fire
- **Unsuitable extinguish media/methods:** none
- **Hazardous combustion product or gases:** If involved in a fire or if overheated, there is a risk of generation of toxic degradation products such as: hydrogen chloride, hydrogen fluoride, carbonyl fluoride, carbon monoxide, and carbon dioxide.
- **Special protective equipment for fire fighters:** Wear self-contained breathing apparatus in confined areas or when exposed to combustion products.
- **Additional information:** Move container from fire areas if it can be done without risk. Cool containers with water spray.

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Ensure adequate ventilation.

Use personal protective clothing

**Environmental precautions:**

Shut off source of ignition and ventilate spill area.

Do not wash away into shower or waterway.

**Methods for cleaning up/taking up:**

Sweep up to avoid slipping hazard and dispose of in accordance with applicable regulations.

**Additional information:**

Information for safe handling looks up chapter 7.

Information for disposal looks up chapter 13.

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#### 7. HANDLING AND STORAGE

**Handling**

Avoid contact with skin and eyes. Do not breathe dust.

**Storage**

Store in a cool, dry, well-ventilated location.  
Keep containers tightly closed when in not use.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Ingredients with occupational exposure limits to be monitored**

N/A

**Exposure controls**

**Occupational exposure controls**

**Engineering Controls:**

Not necessary.

**Personal protection:**

- **Respiratory protection:** Ventilation, local exhaust.  
When temperatures exceed 230deg.C (446deg.F) and ventilation is inadequate, use a positive pressure air supplied respirator. Air purifying respirators may not provide adequate protection.
- **Hand protection:** Impermeable gloves
- **Skin protection:** Suits as needed by the circumstance of use.
- **Eye protection:** Safety glass, goggles, face shield

**Additional recommendations:** Eyewash and safety shower should be ready for use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- **Appearance and Odor:** Translucent flake. Odorless
- **pH value (20 deg.C):** N/A
- **Boiling Point:** N/D
- **Melting Point:** N/D
- **Flash Point (method):** N/A
- **Ignition Temperature:** N/A
- **Flammability:** non-flammable
- **Explosive Limits:** (lower) N/A, (upper) N/A
- **Oxidizing Properties:** N/D
- **Vapor Pressure (20deg.C):** N/A
- **Specific Gravity (20deg.C):** 1.4
- **Solubility in Water (20deg.C) :** 0.1mg/L (OECD No.105)

**10. STABILITY AND REACTIVITY**

**Conditions to avoid:** Overheating and cooling

**Stability:** Stable under normal temperature and pressure.

**Materials to avoid (Incompatibilities):** Strong oxidizing agents, Strong Reducing agents, Strong bases

**Hazardous decomposition products:**

In a fire situation, hydrogen chloride, hydrogen fluoride, carbon monoxide and carbon dioxide may liberate.

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## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD50 Oral (rat):>2000mg/kg (OECD No.423 )

**Sensitization:** N/D

**Mutagenicity:** Ames Assay: Negative

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## 12. ECOLOGICAL INFORMATION

**Biodegradability:** N/D

**Bioaccumulation:** N/D

**Other information:** N/D

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## 13. DISPOSAL CONSIDERATIONS

Comply with all federal, state and local regulations.

Do not dump this product into sewers, on the ground or into any body of water.

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## 14. TRANSPORT INFORMATION

### US DEPARTMENT OF TRANSPORTATION (DOT)

**Hazardous Materials:** N/A

**Hazardous Materials Description and Proper Shipping Name:** N/A

**Hazardous Class or Division:** Not classified

**Identification Number:** Not regulated

**Packing Group:** Not classified

**Label(s) Required:** Not classified

**UN Number:** N/A

**IMDG Status:** Not restricted

**Marine Pollutant:** No

**ICAO/IATA Status:** Not restricted

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## 15. REGULATORY INFORMATION

**OSHA STATUS:** This product is not hazardous under 29 CFR 1910.1200.

**TSCA STATUS:** This fluoropolymer is listed on the TSCA Inventory.

**CERCLA/SUPERFUND (40 CFR 117, 302)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

### SARA TITLE III

**SECTION 302(40 CFR 355):** Not Applicable

**SECTION 311/312(40 CFR 370):** Chronic Health Hazard

**SECTION 313(40 CFR 372):** Not Applicable

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

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## 16. OTHER INFORMATION

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- **N/E:** Not Established
- **N/A:** Not Applicable
- **N/D:** No Data
- **ACGIH:** American Conference of Governmental Industrial Hygienists

### NFPA CODES

Flammability	Hazard	Instability
1	1	1

Revision Summary: Section 1-16(2004.6) Product name(2004.12) 2, 7, 8, 9, 11, 13(2005.7)  
1, 14(2006.9)

The product is not designed for special applications such as pharmaceutical, medical use.

The information given in this safety data sheet is for safety purposes only. It is given in good faith and based on the best knowledge and experience of the company at the date of issuing.  
The company is not responsible for any loss or damage caused by the use of the product in applications for which it was not intended or for conditions of use contrary to the recommendations in this safety data sheet.

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