



## Surface Shield

Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012. Date of issue: 10/20/2020 Revision date: 10/20/2020 Version: 1.0

# **SAFETY DATA SHEET**

## ***1. Product and Company Identification***

**Product Name:** Surface Shield  
**Product Code:** 128-SS, 5-SS, 55-SS  
**Product Use:** Rust Preventative/Lubricant

**Manufacturer:** The Blaster Corporation.  
**Address:** 8500 Sweet Valley Drive  
Valley View, Ohio 44125

**Revision Date:** 10/20/2020  
**Emergency:** ChemTel 800-255-3924  
**Phone:** (800) 858-6605

## ***2. Hazards Identification***

**Physical hazards** Not classified.

**Health hazards** Aspiration hazard Category 1  
Eye Damage/Irritation Category 2B – Causes eye irritation.

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**GHS-Labeling**



**Symbol(s)**

**Signal word** Danger

**Hazard statement** May be fatal if swallowed and enters airways.

**Precautionary statement**

**Prevention** Do not breathe gas/mist/vapors/spray. Wash hands thoroughly after handling. Wear eye or face protection.

**Response** IF exposed or concerned: Get medical advice/attention. 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 or attention.

**Storage** Store in accordance with local/regional/national/international regulation.

**Disposal** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards:** Defatting of the skin

## ***3. Composition / Information on Ingredients***

### **Hazardous Ingredients**

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC  
Petroleum Jelly  
Calcium Organic Mixture  
Lanolin Fatty Acids  
Wool wax

### **CAS #**

64742-52-5  
8009-03-8  
Confidential  
68424-43-1  
8020-84-6

### **Percent**

45-70  
10-15  
10-20  
5-10  
5-10



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### 4. First Aid Measures

**Eye Contact:** Flush thoroughly with water. If irritation occurs, get medical assistance.

**Skin Contact:** Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or an allergic skin reaction develops, get medical attention.

**Inhalation:** Move to fresh air. Oxygen or artificial respiration if needed. IF exposed or concerned: Get medical advice/attention.

**Ingestion:** Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.

### 5. Fire Fighting Measures

**Extinguishing Media:** Halon. Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>). Water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire.

**Unusual Fire & Explosion Hazards:** No unusual fire or explosion hazards noted.

Flammability Class: Combustible IIIB

**Special Fire Fighting Procedures:** Emergency responders should wear self-contained breathing apparatus.

Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely. Material will float on water, avoid spreading the fire. Cool containers exposed to flames with water until well after the fire is out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use pressurized air mask if product is involved in a fire.

### 6. Accidental Release Measures

#### Spill or Leak Instructions

**Large Spills:** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth or absorbent material then place into containers. Following product recovery, flush area with water. **Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.



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### 7. Handling and Storage

#### Handling: FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing.

Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. All handling to take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly. Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers.

#### Storage:

Store in a cool, dry area, away from heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials

### 8. Exposure Controls / Personal Protection

**Protective Equipment:** Use synthetic gloves if necessary to prevent excessive skin contact. Do not wear contacts and always use ANSI approved safety glasses or splash shield.

**Engineering Controls:** General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

**Respiratory Protection:** Based on workplace contaminant level and working limits of the respirator, use a respirator approved by NIOSH. The following is the minimum recommended equipment for an occupational exposure level.

For concentrations > 1 and < 10 times the occupational exposure level: Use air-purifying respirator with full facepiece and organic vapor cartridge(s) or air-purifying full facepiece respirator with an organic vapor canister or a full facepiece powered air-purifying respirator fitted with organic vapor cartridge(s).

The air purifying element must have an end of service life indicator, or a documented change out schedule must be established. Otherwise, use supplied air.

**Other Suggested Equipment:** Eye wash station and emergency showers should be available. Spill containment equipment should be available.

**Discretion Advised:** Chemical Solvents Inc. takes no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

#### Exposure guidelines:

##### Ingredients

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC

##### CAS #

64742-52-5

	ACGIH TLV	OSHA PEL
Petroleum oil	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

Petroleum Jelly

8009-03-8

No exposure limits have been established

Calcium Organic Mixture

Confidential



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No exposure limits have been established

Lanolin Fatty Acids 68424-43-1 / Wool wax 8020-84-6  
Contains no substances with occupational exposure limit values

### 9. Physical and Chemical Properties

**Appearance/Physical State** Amber-brown grease-like  
**Specific Gravity (Water=1)** 0.86  
**Upper/Lower Flammability Limits (Vol. %)** Not Determined  
**Auto-ignition Temperature** Not Determined  
**Decomposition Temperature** Not Determined  
**Vapor Pressure** Not Determined  
**Vapor Density (Air=1)** >1  
**Partition Coefficient (n-octanol/water)** Not Determined  
**Viscosity** Not Determined  
**Critical Temperature** Not Determined

**Flash Point** >320 °F  
**pH** Not Applicable  
**Solubility in Water** Negligible  
**Odor** Petroleum  
**Odor Threshold** Not Determined  
**Melting/Freezing Point** Not Determined  
**Boiling Range** Not Determined  
**Initial Boiling Point** Not Determined

### 10. Stability and Reactivity

**Stability:** Stable **Conditions to Avoid:** Heat, spark, and open flame  
**Incompatibility:** Strong Oxidizing Agents  
**Hazardous Decomposition:** Combustion will produce Carbon Monoxide, Carbon Dioxide and nitrogen-oxygen compounds.  
**Hazardous Polymerization:** Will not occur

### 11. Toxicological Information

#### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 64742-52-5**

**Inhalation** May be harmful if inhaled. However, this product does not currently meet the criteria for classification.

**Skin contact** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Eye contact** May be irritating to eyes.

**Ingestion** May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.

**Symptoms related to the physical, chemical and toxicological characteristics:** Not available.

#### **Information on toxicological effects**

**Acute toxicity** Not classified.

**Skin corrosion/irritation** Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.

**Serious eye damage/eye irritation:** Not classified.

**Respiratory sensitization** Not classified.

**Skin sensitization** Not classified.

**Germ cell mutagenicity** Non-mutagenic based on Modified Ames Assay.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

**IARC Monographs. Overall Evaluation of Carcinogenicity** Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)** Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens** Not listed.

**Reproductive toxicity** Contains no ingredient listed as toxic to reproduction



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**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not classified.

**Chronic effects** Prolonged or repeated contact may cause drying, cracking, or irritation of the skin.

### **Petroleum Jelly 8009-03-8**

No evidence of harmful effects from available information.

LD 50 oral rat : > 5000 mg/kg

LD dermal rat > 2000 mg/kg

Acute toxicity

Conclusion/Summary : Very low toxicity to humans or animals.

Irritation/Corrosion

Skin : The mixture is not an irritant for the skin.

Eyes : The mixture is not an irritant for eyes.

Respiratory : No inhalation irritancy studies have been performed on the mixture.

Based on the composition as indicated in section 3, it is not likely that this mixture will cause irritation of the respiratory tract.

Sensitisation

Skin : No sensitization studies have been performed on the mixture. Based on the composition as indicated in section 3, it's not likely that the mixture will cause sensitisation by skin contact

Respiratory : No inhalation irritancy studies have been performed on the mixture. Based on the composition as indicated in section 3, it is not likely that this mixture will cause irritation of the respiratory tract.

Mutagenicity: Not applicable.

Carcinogenicity: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Reproductive toxicity: Not applicable.

Teratogenicity: Not applicable.

Specific target organ toxicity (single exposure): Not available.

Specific target organ toxicity (repeated exposure): Not available.

Aspiration hazard: Not available.

### **Calcium Organic Mixture Confidential**

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):

Eye contact, Skin contact, Inhalation of mist, Symptoms related to the physical, chemical and toxicological characteristics: No data available

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion Toxicity: Estimated to be > 5.0 g/kg; practically non-toxic

Skin Contact: Can cause minor skin irritation, defatting, and dermatitis.

Inhalation Toxicity: No data available

Eye Contact: Mild eye irritant.

Sensitization: None known

Mutagenicity: No data

Reproductive and Developmental Toxicity: No data available

Carcinogenicity: There are no carcinogenic ingredients present at or over 0.1%.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

### **Lanolin Fatty Acids 68424-43-1 / Wool wax 8020-84-6**

Acute toxicity: No data available

Skin corrosion/irritation: Unlikely to cause skin irritation.

Serious eye damage/eye irritation: May irritate eyes.

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available



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Reproductive toxicity: No data available  
STOT-single exposure: No data available  
STOT-repeated exposure: No data available  
Aspiration toxicity: No data available

### 12. Ecological Information

No Data Available.

### 13. Disposal Considerations

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste.

### 14. Transport Information

DOT: Not regulated as dangerous goods

### 15. Regulatory Information

#### Environmental Regulations

##### US federal regulations

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)** Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** Not listed.

**SARA 304 Emergency release notification** Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)** Not regulated.

**SARA 302 Extremely hazardous substance**

**Superfund Amendments and Reauthorization Act of 1986 (SARA)** Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)** Not regulated.

##### US state regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

All the chemicals used in this product are TSCA listed.

Check with your local regulators to be sure all local regulations are met.



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### 16. Other Information

**Hazard ratings** This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

**NFPA:** Health: 1 Flammability: 1 Reactivity: 0

**HMIS:** Health: 1 Flammability: 1 Reactivity: 0

**RATING:** 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT

**Note:**

For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. Chemical Solvents Inc makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an SDS does not indicate that the possessor of the SDS was a purchaser or user of the subject product. Revision Date: 10/14/2019