



# Material Safety Data Sheet

## STEELSHIELD 6288

### 1. Chemical Product and Company Identification

Product Name	STEELSHIELD 6288	Emergency Phone Number	24 HOUR - (800) 424-9300 (CHEMTREC)
Company Name	Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482	FAX	(610) 666-1376
Website	www.houghtonintl.com	Customer Service	(888) 459-9844
Telephone	(610) 666-4000		

### 2. Hazardous Ingredients

Component	Cas No	% by Weight	Hazards
Mineral Oil	proprietary	1-5	TLV: 5 mg/m <sup>3</sup> as oil mist PEL: 5 mg/m <sup>3</sup> as oil mist STEL: 10 mg/m <sup>3</sup> as oil mist Other:
Petroleum Hydrocarbon	64742-47-8 64742-88-7	60-100	TLV: 200 mg/m <sup>3</sup> - vapor

N/E - Not Established; N/A - Not Applicable; Mfr - Manufacturer Recommendation

### 3. Hazards Identification

Primary Entry Routes	EYES, SKIN, INHALATION
Acute Effects	
Inhalation	INHALATION OF MISTS AND VAPOR MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT, HEADACHE, DIZZINESS AND/OR NAUSEA.
Eye	MAY BE A MODERATE EYE IRRITANT.
Skin	MAY CAUSE IRRITATION TO SKIN ON PROLONGED CONTACT.
Ingestion	INGESTION MAY CAUSE NAUSEA OR DISCOMFORT. ASPIRATION MAY CAUSE LUNG DAMAGE. HARMFUL IF SWALLOWED.
Carcinogenicity	THIS PRODUCT DOES NOT CONTAIN ANY COMPONENT REPORTABLE AS A CARCINOGEN UNDER 29 CFR 1910.1200.
Medical Conditions Aggravated by LongTerm Exposure	PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.

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Chronic Effects UNKNOWN

## HMIS:

Health	1
Flammability	2
Physical Hazard	0

\* indicates that there may be chronic health effects present

**4. First Aid Measures**

Inhalation	IF INHALED, REMOVE TO A SOURCE OF FRESH AIR.
Eye Contact	FLUSH EYES WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
Skin Contact	WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSING. CONSULT PHYSICIAN IF IRRITATION PERSISTS.
Ingestion	IF INGESTED, DO NOT INDUCE VOMITING! CONSULT PHYSICIAN.
Note to Physicians	NO SPECIFIC ANTIDOTE KNOWN. BASED ON INDIVIDUAL REACTIONS OF THE PATIENT, THE PHYSICIAN'S JUDGMENT SHOULD BE USED TO CONTROL SYMPTOMS AND CLINICAL CONDITIONS.

N/A - Not Applicable

**5. Fire Fighting Measures**

Flash Point	170°F (77°C)
Method Used	CLEVELAND OPEN CUP
Autoignition Temperature	N/D
LEL	N/D
UEL	N/D
Extinguishing Media	USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM. USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.
Unusual Fire or Explosion Hazards	VAPORS GIVEN OFF WHEN HEATED MAY FLASH OR EXPLODE IF IGNITED.



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### 5. Fire Fighting Measures - continued

Fire Fighting Instructions WEAR PROTECTIVE GEAR DURING FIREFIGHTING.

NFPA:

Health	1
Flammability	2
Reactivity	0
Special	N/A

N/A - Not Applicable; ND - Not Determined; > - Greater Than; < - Less Than

### 6. Accidental Release Measures

Spill or Release Procedures REMOVE OPEN FLAMES AND OTHER SOURCES OF IGNITION FROM AREA. PROVIDE VENTILATION. APPLY DRY ABSORBENT MATERIAL AND SWEEP UP. PLACE IN A SUITABLE CONTAINER.

### 7. Handling and Storage

Handling Precautions COMBUSTIBLE MATERIAL! KEEP AWAY FROM ALL SOURCES OF IGNITION. USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

Storage Requirements KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE AWAY FROM SOURCES OF HEAT, OPEN FLAMES AND SPARKS. PROPERLY GROUND ALL CONTAINERS.

### 8. Exposure Controls/Personal Protection

Engineering Controls PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE EXPOSURE LIMITS IN SECTION 2.

Personal Protective Equipment

Eye/Face Protection WEAR SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

Skin Protection USE RUBBER GLOVES AND LONG SLEEVES TO MINIMIZE SKIN EXPOSURE. USE APRON OR OVERALLS IF SPLASHING IS POSSIBLE.

Respiratory Protection RESPIRATORY PROTECTION REQUIRED IF APPLICABLE EXPOSURE LIMITS ARE EXCEEDED. RECOMMENDED IN MISTING CONDITIONS.

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Other EYEWASH AND SAFETY SHOWER RECOMMENDED.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, or applying cosmetics.

**9. Physical and Chemical Properties**

Appearance	LIGHT BROWN FLUID	Water Solubility	INSOLUBLE
Odor	MILD PETROLEUM ODOR	Boiling Point	N/D
Vapor Pressure (mmHg)	2.9 @ 20°C	Freezing/ Melting Point	N/D
Vapor Density (Air = 1)	5-6	Evaporation Rate (BuAc = 1)	< 1
Specific Gravity (Water = 1)	0.814		

N/D - Not Determined; N/A - Not Applicable; > - Greater Than; < - Less Than

**10. Stability and Reactivity**

Stability	THIS PRODUCT IS STABLE AT ROOM TEMPERATURE IN CLOSED CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS.
Conditions to Avoid	KEEP AWAY FROM ALL SOURCES OF IGNITION SUCH AS HEAT, SPARKS AND OPEN FLAMES.
Chemical Incompatibilities	STRONG OXIDIZERS AND ACIDS
Hazardous Decomposition Products	THERMAL: OXIDES OF CARBON AND TRACE OXIDES OF SULFUR.
Hazardous Polymerization	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

**11. Toxicological Information**

NO DATA AVAILABLE



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## 12. Ecological Information

NO DATA AVAILABLE

## 13. Disposal Considerations

Disposal FOLLOW UP PERTINENT REGULATIONS FOR DISPOSAL. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE (40 CFR 261.20-24).

RCRA Hazardous Waste Number N/A

## 14. Transportation Information

Proper Shipping Name NON-BULK GROUND, AIR AND INTERNATIONAL: NOT HAZARDOUS. BULK, GROUND - NA1993, COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM DISTILLATES), III.

## 15. Regulatory Information

TSCA Section 8(b) ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE TSCA INVENTORY.

DSL ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE CANADIAN DSL. THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

CERCLA Reportable Quantity NONE

SARA Title III, Section 313 THIS PRODUCT CONTAINS NO TOXIC CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

SCAQMD THIS PRODUCT IS NOT TO BE USED IN CALIFORNIA'S SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT BECAUSE IT DOES NOT COMPLY WITH RULE 1144.

Ozone Depleting Substances THIS PRODUCT WAS NOT MANUFACTURED, DOES NOT CONTAIN, AND WAS NOT PACKAGED USING ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCE AS DEFINED BY THE CLEAN AIR ACT.

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WHMIS

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**16. Other Information**

Prepared By

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Title

MANAGER, PRODUCT SAFETY

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