



Material Safety Data Sheet

MICROSURFACE 5132

1. Chemical Product and Company Identification

Product Name	MICROSURFACE 5132	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

EXPOSURE LIMITS HAVE NOT BEEN ESTABLISHED FOR ANY OF THE COMPONENTS IN THIS PRODUCT.

SEE SECTION 3 FOR HEALTH HAZARD INFORMATION.

3. Hazards Identification

Primary Entry Routes	EYES, SKIN, INHALATION
Acute Effects	
Inhalation	MISTS MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT.
Eye	MAY CAUSE SEVERE IRRITATION.
Skin	PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION.
Ingestion	MAY IRRITATE MOUTH, THROAT AND STOMACH.
Carcinogenicity	NO COMPONENT KNOWN TO BE PRESENT IN THIS PRODUCT AT GREATER THAN 0.1% IS LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.
Medical Conditions Aggravated by LongTerm Exposure	PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.
Chronic Effects	UNKNOWN
HMIS:	
Health	1
Flammability	0
Reactivity	0



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3. Hazards Identification - continued

* indicates that there may be chronic health effects present

4. First Aid Measures

Inhalation	REMOVE TO SOURCE OF FRESH AIR.
Eye Contact	FLUSH WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
Skin Contact	WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSING.
Ingestion	GIVE WATER OR MILK AND 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	N/A - PRODUCT CONTAINS WATER.
Autoignition Temperature	N/D
LEL	N/D
UEL	N/D
Extinguishing Media	IF WATER IS REMOVED, USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM.
Unusual Fire or Explosion Hazards	NONE KNOWN.
Fire Fighting Instructions	WEAR PROTECTIVE GEAR DURING FIREFIGHTING.
NFPA:	
Health	1
Flammability	0
Reactivity	0
Special	N/A

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



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6. Accidental Release Measures

Spill or Release Procedures APPLY DRY ABSORBENT MATERIAL AND SWEEP UP. FLUSH AREA WITH WATER AND MOP UP THOROUGHLY.

7. Handling and Storage

Handling Precautions AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

Storage Requirements KEEP AWAY FROM STRONG OXIDIZERS. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.

8. Exposure Controls/Personal Protection

Engineering Controls PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO MINIMIZE AIRBORNE CONCENTRATIONS AND REDUCE EXPOSURE.

Personal Protective Equipment

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

Skin Protection RUBBER GLOVES AND LONG SLEEVES TO MINIMIZE CONTACT.

Respiratory Protection RECOMMENDED IN MISTING CONDITIONS.

Other EYE WASH 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	CLEAR WATER WHITE LIQUID	Water Solubility	COMPLETE
Odor	ACRID ODOR	Boiling Point	215°F
Vapor Pressure (mmHg)	AS WATER	Freezing/ Melting Point	N/D
Vapor Density (Air = 1)	AS WATER	Evaporation Rate (BuAc = 1)	AS WATER
Specific Gravity (Water = 1)	1.1		

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pH (Neat)	3.2
pH (Dilution)	
At Percent	1
pH	~3.5

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.
Chemical Incompatibilities	STRONG OXIDIZERS
Hazardous Decomposition Products	THERMAL: OXIDES OF PHOSPHOROUS
Hazardous Polymerization	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

11. Toxicological Information

NO DATA AVAILABLE

12. Ecological Information

NO DATA AVAILABLE

13. Disposal Considerations

Disposal	FOLLOW 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

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MICROSURFACE 5132****14. Transportation Information**

Proper Shipping Name NOT HAZARDOUS UNDER DOT, AIR OR IMO REGULATIONS.

15. Regulatory Information

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

16. Other Information

Prepared By	GARY CARL
Title	MANAGER, PRODUCT SAFETY

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