



HOUGHTON

Houghton International Inc.

Revision Date : 07/15/2013

Material Safety Data Sheet CUT-MAX 570

1. Chemical Product and Company Identification

Product Name	CUT-MAX 570	FAX	(610) 666-1376
Company Name	Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482	Customer Service	(888) 459-9844
Website	www.houghtonintl.com	Product Use	Metalworking Fluid - Straight Oil
Telephone	(610) 666-4000		
Emergency Phone Number	3E Company: 1-866-519-4752 (USA, Canada, Mexico)		
Company Access Code	333938		

2. Hazardous Ingredients

Component	Cas No	% by Weight	Hazards
Mineral Oil	64742-52-5 72623-86-0	60-100	TLV: 5 mg/m ³ as oil mist PEL: 5 mg/m ³ as oil mist STEL: 10 mg/m ³ as oil mist Other:

N/E - Not Established; N/A - Not Applicable; Mfr - Manufacturer Recommendation
TLV, STEL - ACGIH; PEL - OSHA

3. Hazards Identification

Primary Entry Routes	EYES, SKIN, INHALATION
Acute Effects	
Inhalation	AVOID BREATHING PRODUCT MISTS. INHALATION OF MISTS MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY TRACT.
Eye	MAY CAUSE MODERATE EYE IRRITATION.
Skin	MAY BE MILDLY IRRITATING TO SENSITIVE SKIN ON PROLONGED CONTACT.
Ingestion	INGESTION MAY CAUSE NAUSEA OR DISCOMFORT.
Carcinogenicity	THIS PRODUCT DOES NOT CONTAIN ANY COMPONENT REPORTABLE AS A CARCINOGEN UNDER 29 CFR 1910.1200.



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3. Hazards Identification - continued

Medical Conditions
Aggravated by LongTerm
Exposure

PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED
BY EXPOSURE.

Chronic Effects

UNKNOWN

HMIS:

Health	1
Flammability	1
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 IF
IRRITATION PERSISTS.

Skin Contact

WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING
AND LAUNDRER BEFORE REUSING. CONSULT PHYSICIAN IF IRRITATION
PERSISTS.

Ingestion

IF INGESTED, DO NOT INDUCE VOMITING. GIVE VEGETABLE OIL
DEMULCENTS. 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

360°F/ 182°C

Method Used

CLEVELAND OPEN CUP

Autoignition Temperature

N/D

LEL

N/D

UEL

N/D



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5. Fire Fighting Measures - continued

Extinguishing Media	USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM.
Unusual Fire or Explosion Hazards	COMBUSTION MAY RELEASE FUMES OF HYDROGEN CHLORIDE AND OXIDES OF SULFUR AND CARBON.
Hazardous Combustion Products	UPON COMBUSTION, MAY RELEASE FUMES OF SULFUR OXIDES AND HYDROGEN CHLORIDE.
Fire Fighting Instructions	WEAR PROTECTIVE GEAR DURING FIREFIGHTING.

NFPA:

Health	1
Flammability	1
Reactivity	0
Special	N/A

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

6. Accidental Release Measures

Spill or Release Procedures	APPLY DRY ABSORBENT MATERIAL AND SWEEP UP THOROUGHLY.
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7. Handling and Storage

Handling Precautions	AVOID CONTACT WITH STRONG OXIDIZERS. WASH THOROUGHLY AFTER HANDLING.
Storage Requirements	DO NOT STORE BELOW FREEZING. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

8. Exposure Controls/Personal Protection

Engineering Controls	GENERAL MECHANICAL VENTILATION IS ADEQUATE. LOCAL EXHAUST PREFERRED IN MISTING CONDITIONS.
Personal Protective Equipment	
Eye/Face Protection	WEAR SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.



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8. Exposure Controls/Personal Protection - continued

Skin Protection	USE RUBBER GLOVES AND PROTECTIVE CLOTHING TO MINIMIZE SKIN CONTACT.
Respiratory Protection	RESPIRATORY PROTECTION REQUIRED IF APPLICABLE EXPOSURE LIMITS ARE EXCEEDED.
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	DARK RED LIQUID	Boiling Point	> 350°F / 176°C
Odor	SASSAFRAS-OIL-SULFUR	Freezing/ Melting Point	N/D
Vapor Pressure (mmHg)	< 1	VOC	35 g/L
Vapor Density (Air = 1)	> 1	VOC Method Used	ASTM 1868-10
Specific Gravity (Water = 1)	1.00	Evaporation Rate (BuAc = 1)	< 1
pH (Neat)	N/A		
Water Solubility	INSOLUBLE		

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	AVOID CONTACT WITH STRONG OXIDIZERS.
Hazardous Decomposition Products	THERMAL: OXIDES OF CARBON AND SULFUR; HYDROGEN CHLORIDE.
Hazardous Polymerization	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.



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11. Toxicological Information

NO DATA AVAILABLE

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 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.

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.



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15. Regulatory Information - continued

SCAQMD	SCAQMD RULE 1144: THIS PRODUCT CONTAINS VOCS AS DETERMINED BY TEST METHOD ASTM E1868-10 AND CAN ONLY BE USED AS A METAL WORKING FLUID OR AS A DIRECT CONTACT LUBRICANT AT A MAXIMUM CONCENTRATION OF 100% IN CALIFORNIA'S SCAQMD REGION AS PER RULE 1144. VOC CONTENT FOR THIS PRODUCT IS 35 G/L.
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.
WHMIS	NOT CONTROLLED

16. Other Information

Prepared By	BILL SHADE
Title	MANAGER, PRODUCT STEWARDSHIP
Telephone Number	(610) 666-4000

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