



HOUGHTON

Houghton International Inc.

Revision Date : 07/15/2013

Material Safety Data Sheet HOCUT 797-HM

1. Chemical Product and Company Identification

Product Name	HOCUT 797-HM	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
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
Amine	124-68-5	1-5	TLV: N/E PEL: N/E STEL: N/E Other: Corrosive
Amine Borate	-Mixture-	1-5	TLV: N/E
Mineral Oil	64742-52-5	1-10	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	INHALATION OF MISTS MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY TRACT.
Eye	MAY CAUSE EYE IRRITATION.



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3. Hazards Identification - continued

Skin	PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION.
Ingestion	INGESTION MAY CAUSE NAUSEA, VOMITING, DIARRHEA.
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.
Chronic Effects	SEE EFFECTS ABOVE.
HMIS:	
Health	1
Flammability	0
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 LAUNDER BEFORE REUSING.
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	N/A
Autoignition Temperature	N/D
LEL	N/D



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5. Fire Fighting Measures - continued

UEL	N/D
Extinguishing Media	PRODUCT CONTAINS WATER. IF WATER IS REMOVED, USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM.
Unusual Fire or Explosion Hazards	NO UNUSUAL FIRE OR EXPLOSION HAZARDS.
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

6. Accidental Release Measures

Spill or Release Procedures	DILUTE WITH WATER, NEUTRALIZE TO PH 7 WITH DILUTE ACID AND MOP UP THOROUGHLY TO AVOID RESIDUAL SLIPPERINESS.
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7. Handling and Storage

Handling Precautions	AVOID CONTACT WITH STRONG OXIDIZERS. WEAR GOGGLES AND GLOVES WHEN HANDLING NEAT MATERIAL.
Storage Requirements	KEEP AWAY FROM STRONG OXIDIZERS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. IF FROZEN OR EXPOSED TO HIGH AMBIENT TEMPERATURES, RETURN TO ROOM TEMPERATURE AND MIX WELL BEFORE USING.

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	



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8. Exposure Controls/Personal Protection - continued

Eye/Face Protection	WEAR SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
Skin Protection	USE RUBBER GLOVES, LONG SLEEVES TO MINIMIZE SKIN CONTACT. USE APRON OR OVERALLS IF SPLASHING IS POSSIBLE.
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	BLUE-GREEN LIQUID	Water Solubility	EMULSIFIES
Odor	MILD OIL-AMINE ODOR	Boiling Point	215°F / 102°C
Vapor Pressure (mmHg)	AS WATER	Freezing/ Melting Point	N/D
Vapor Density (Air = 1)	AS WATER	Evaporation Rate (BuAc = 1)	< 1
Specific Gravity (Water = 1)	1.02		
pH (Neat)	10.0		
pH (Dilution)			
At Percent	5		
pH	9.6		

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



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10. Stability and Reactivity - continued

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

14. Transportation Information

Proper Shipping Name

NOT HAZARDOUS UNDER DOT, AIR OR IMO REGULATIONS.

TDG

NOT REGULATED UNDER THE CANADIAN TRANSPORTATION OF DANGEROUS GOODS REGULATION.

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.



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15. Regulatory Information - continued

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	SCAQMD RULE 1144: THIS PRODUCT HAS NOT BEEN TESTED FOR COMPLIANCE WITH CALIFORNIA'S SCAQMD RULE 1144 AND THEREFORE CANNOT BE USED AS A METAL WORKING FLUID OR AS A DIRECT CONTACT LUBRICANT IN CALIFORNIA'S SCAQMD REGION AS PER 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.
WHMIS	D2B

16. Other Information

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

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