

(10645)



Houghton International Inc.

Revision Date : 11/09/2011

# Material Safety Data Sheet SUPERKOOL 23

## 1. Chemical Product and Company Identification

Product Name	SUPERKOOL 23	CHEMTREC Company Code	HOUH
Company Name	Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482	CHEMTREC Customer Number	10769
Company Name	Houghton Canada Inc. 115 Walker Drive, Unit B Brampton, ON L6T 5P5 Phone: 905-494-3770	FAX	(610) 666-1376
Website	www.houghtonintl.com	Customer Service	(888) 459-9844
Telephone	(610) 666-4000	Product Use	Metalworking Fluid
Emergency Phone Number	24 HOUR - (800) 424-9300 or (703) 527-3887 (CHEMTREC)		

Emergency Phone Number - Canada	24 HOUR - 613-996-6666 (CANUTEC)
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**APPROVED MATERIAL**  
  
 JAN 11 2013  
  
 MSDS # 10645  
 APPROVED BY *Denny R. O...*

## 2. Hazardous Ingredients

Component	Cas No	% by Weight	Hazards
Chlorinated Paraffin	85535-85-9	1-10	TLV: N/E PEL: N/E
Mineral Oil	64742-52-5	60-100	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:

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 OR DISCOMFORT. ASPIRATION MAY CAUSE LUNG DAMAGE.
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	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.
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

**Material Safety Data Sheet  
SUPERKOOL 23****5. Fire Fighting Measures**

Flash Point	> 300°F/ 149°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	COMBUSTION MAY RELEASE FUMES OF HYDROGEN CHLORIDE AND OXIDES OF SULFUR AND CARBON.
Fire Fighting Instructions	WEAR PROTECTIVE GEAR DURING FIREFIGHTING. DO NOT DIRECT A SOLID STREAM OF WATER INTO BURNING POOLS. THIS MAY CAUSE FROTHING AND INCREASE FIRE INTENSITY.

## NFPA:

Health	1
Flammability	1
Reactivity	0
Special	N/A

N/A - Not Applicable; ND - Not Determined; &gt; - Greater Than; &lt; - 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	USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.
Storage Requirements	STORE SEPARATELY FROM OXIDIZERS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY, WELL VENTILATED AREA. EMPTY CONTAINERS MAY CONTAIN HAZARDOUS VAPORS AND RESIDUE AND THEREFORE RETAIN ALL HAZARDS.



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## 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 CHEMICAL RESISTANT GLOVES AND LONG SLEEVES TO MINIMIZE SKIN EXPOSURE. USE APRON OR OVERALLS IF SPLASHING IS EXPECTED.
Respiratory Protection	USE AN APPROVED RESPIRATOR (SEE 29 CFR 1910.134) IF APPLICABLE EXPOSURE LIMITS ARE EXCEEDED.
Other	EYEWASH AND SAFETY SHOWER RECOMMENDED.
Comments	USE OF GLOVES AND OTHER SKIN PROTECTION DEPENDS ON THE DURATION OF EXPOSURE AND THE TASK BEING PERFORMED. IF NECESSARY, USE CHEMICALLY RESISTANT GLOVES SUCH AS NEOPRENE, NITRILE OR EQUIVALENT MATERIALS.

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, AMBER LIQUID	Freezing/ Melting Point	N/D
Odor	BLAND	VOC	47 g/L
Vapor Pressure (mmHg)	N/D	VOC Method Used	ASTM E1868-10
Vapor Density (Air = 1)	N/D	Evaporation Rate (BuAc = 1)	< 1
Specific Gravity (Water = 1)	0.91		
Water Solubility	INSOLUBLE		
Boiling Point	> 350°F		

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



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## 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.

## 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.



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## 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	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 47 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	D2B

## 16. Other Information

Date of Preparation:	9 November 2011
Prepared By	GARY CARL
Title	MANAGER, PRODUCT SAFETY
Telephone Number	(610) 666-4000

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