



Material Safety Data Sheet

COSMOLINE 1060

1. Chemical Product and Company Identification

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|------------------------|---|---------------------------------|----------------------------------|
| Product Name | COSMOLINE 1060 | Emergency Phone Number - Canada | 24 HOUR - 613-996-6666 (CANUTEC) |
| Company Name | Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482 | CHEMTREC Company Code | HOUH |
| Company Name | Houghton Canada Inc. 115 Walker Drive, Unit B Brampton, ON L6T 5P5 Phone: 905-494-3770 | CHEMTREC Customer Number | 10769 |
| Website | www.houghtonintl.com | FAX | (610) 666-1376 |
| Telephone | (610) 666-4000 | Customer Service | (888) 459-9844 |
| Emergency Phone Number | 24 HOUR - (800) 424-9300 or (703) 527-3887 (CHEMTREC) | | |

2. Hazardous Ingredients

| Component | Cas No | % by Weight | Hazards |
|-------------|------------|-------------|--|
| Mineral Oil | 64742-52-5 | 10-30 | 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 MILD EYE IRRITATION. |
| Skin | MAY CAUSE MILD IRRITATION TO SKIN ON PROLONGED CONTACT. |
| Ingestion | NO SIGNIFICANT ADVERSE EFFECTS ARE EXPECTED UPON INGESTION OF THE PRODUCT. |



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3. Hazards Identification - continued

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| 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 | UNKNOWN |
| HMIS: | |
| Health | 1 |
| Flammability | 1 |
| Physical Hazard | 0 |

* indicates that there may be chronic health effects present

4. First Aid Measures

| | |
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| 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 | > 350°F (177°C) |
| Method Used | CLEVELAND OPEN CUP |
| Autoignition Temperature | N/D |
| LEL | N/D |
| UEL | N/D |

**Material Safety Data Sheet
COSMOLINE 1060****5. Fire Fighting Measures - continued**

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|-----------------------------------|---|
| Extinguishing Media | USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM. |
| Unusual Fire or Explosion Hazards | EMPTY CONTAINERS RETAIN PRODUCT RESIDUE WHICH MAY BE IGNITED. TREAT CONTAINERS ACCORDINGLY. |
| Fire Fighting Instructions | TREAT AS AN OIL FIRE. 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 | SHOVEL UP AND PLACE IN CLEAN CONTAINER. CLEAN AREA THOROUGHLY TO AVOID RESIDUAL SLIPPERINESS. |
|-----------------------------|---|

7. Handling and Storage

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|----------------------|--|
| Handling Precautions | AVOID CONTACT WITH STRONG OXIDIZERS. WASH THOROUGHLY AFTER HANDLING. |
| Storage Requirements | KEEP CONTAINERS CLOSED WHEN NOT IN USE. |

8. Exposure Controls/Personal Protection

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|-------------------------------|--|
| 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. |
| Skin Protection | USE RUBBER GLOVES AND PROTECTIVE CLOTHING TO MINIMIZE SKIN CONTACT. |

**Material Safety Data Sheet
COSMOLINE 1060****8. Exposure Controls/Personal Protection - continued**

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|------------------------|---|
| 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 | BLACK GREASE | Freezing/ Melting Point | N/D |
| Odor | BLAND | VOC | 3 g/l |
| Vapor Pressure (mmHg) | < 1 | VOC Method Used | ASTM E1868-10 |
| Vapor Density (Air = 1) | > 1 | Evaporation Rate (BuAc = 1) | < 1 |
| Specific Gravity (Water = 1) | 0.89 | | |
| Water Solubility | INSOLUBLE | | |
| Boiling Point | N/D | | |

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 TRACE OXIDES OF SULFUR. |
| Hazardous Polymerization | HAZARDOUS POLYMERIZATION WILL NOT OCCUR. |

**Material Safety Data Sheet
COSMOLINE 1060****11. Toxicological Information**

NO DATA AVAILABLE

12. Ecological Information

NO DATA AVAILABLE

13. Disposal Considerations

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| 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

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|-----------------------------|---|
| 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. |

**Material Safety Data Sheet
COSMOLINE 1060****15. Regulatory Information - continued**

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| 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 3 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

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|------------------|-------------------------|
| Prepared By | GARY CARL |
| Title | MANAGER, PRODUCT SAFETY |
| Telephone Number | (610) 666-4000 |

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