



CARGILLE LABORATORIES, INC.

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CATALOG #24230, 24250

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| IDENTITY (AS USED ON LABEL AND MANUF. LITERATURE) CARGILLE OPTICAL GEL CODE 0607 | NOTE: BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, OR NO INFORMATION IS AVAILABLE, THE SPACE MUST BE MARKED TO INDICATE THAT. |
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| SECTION 1 | | |
| MANUFACTURER'S NAME CARGILLE LABORATORIES, INC. | EMERGENCY TELEPHONE NUMBER WEEKDAY 973 - 239 - 6633 24 HR CHEMTREC 800 - 424 - 9300 | |
| ADDRESS (NUMBER, STREET, CITY, STATE, AND ZIP CODE) | TELEPHONE NUMBER FOR INFORMATION 973 - 239 - 6633 | |
| 55 COMMERCE ROAD | DATE PREPARED JUNE 2, 2011 | SUPERCEDES PRIOR DATED MSDS FOR THIS MATERIAL |
| CEDAR GROVE, NJ 07009 | SIGNATURE OF PREPARER (OPTIONAL) | |
| THE INFORMATION SUPPLIED IS BASED ON DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND EXPRESSED OR IMPLIED, IS MADE WITH RESPECT TO THE INFORMATION PRESENTED AND CARGILLE LABORATORIES ASSUMES NO RESPONSIBILITY FOR THE RESULTS OF THE USE OF THIS PRODUCT. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RESPONSIBLE FOR ITS USE SHALL MAKE HIS OR HER OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS OR HER PARTICULAR PURPOSE. | | |
| CONDITIONS OF INTENDED AND NORMAL USE: (ABBR. C.I.U.) AS AN OPTICAL GEL AT NORMAL ROOM PRESSURE (760 mm Hg), TEMPERATURE 39 °F TO 104 °F IN A NON MISTED / NON AIRBORN STATE IN A ROOM HAVING NORMAL AIR CHANGES, (2) / HR., IN A TRAINED AND SUPERVISED LABORATORY / INDUSTRIAL SETTING USING STANDARD GL / GM PROCEDURES. SEE SECTIONS 7 AND 8 | | |

| SECTION 2 - HAZARDOUS INGREDIENTS | | SPECIFIC CHEMICAL IDENTITY INFORMATION | | | |
|---|------------------------|--|---------------------|---|--------------|
| HAZARDOUS COMPONENTS | (COMMON NAME (S)) | OSHA PEL CEILING | ACGIH TLV T.W.A. | OTHER LIMITS RECOMMENDED | % (OPTIONAL) |
| TRADE SECRET | SILICA, AMORPHOUS | * 20 mppcf | ** 20 mppcf | ** ACGIH RESPIRABLE DUST: 5 mg / CUBIC METER | |
| ** LIMITS ARE FOR THIS INGREDIENT AS A RAW MATERIAL WHEN IT IS A DUST AS INCORPORATED IN OPTICAL GEL. THE SILICA IS PART OF A NON-DRYING GEL AND NOT SUBJECT TO BECOMING AIRBORNE AT C.I.U. | | | | ** ACGIH TOTAL DUST: 10 mg / CUBIC METER | |
| TRADE SECRET | ALIPHATIC HYDROCARBONS | | 5 mg / CUBIC METER* | | |

*PEL CEILINGS & TLV T.W.A.s IF ANY SHOULD NOT OCCUR IF C.I.U. AND SECTIONS 7 & 8 FOLLOWED.

NOTE: PRODUCT NORMALLY SOLD IN 4 OZ. QUANTITIES. USED IN SINGLE DROP TO A FEW CUBIC CENTIMETERS PER APPLICATION. SEE REQUISITIONER FOR SPECIFIC QUANTITIES INVOLVED.

| SECTION 3 - PHYSICAL / CHEMICAL CHARACTERISTICS | | | |
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| BOILING POINT AT 760 mm Hg > 416 °C | > 781 °F | SPECIFIC GRAVITY (H ₂ O = 1) TEMP. 23 °C / 73 °F | 0.849 |
| VAPOR PRESSURE IN mm Hg (TEMP.) 73 °F | NIL | MELTING POINT < -67 °C | < -88 °F |
| VAPOR DENSITY (AIR = 1) AT (mm Hg & TEMP.) 760 73 °F | N.D.F. | EVAPORATION RATE AT 760 mm Hg & 23 °C / 73 °F (MINERAL OIL = 1) | < 1 |
| SOLUBILITY IN WATER AT (mm Hg & TEMP.) 760 73 °F | NIL | APPEARANCE AND ODOR WATER WHITE ODORLESS GEL | |

| SECTION 4 - FIRE AND EXPLOSION HAZARD DATA | | | |
|--|------------------|---------------|---------------|
| FLASH POINT (CUP METHOD USED) > 473 °F (245 °C) C.O.C. | FLAMMABLE LIMITS | LEL N.D.F. | UEL N.D.F. |
| EXTINGUISHING MEDIA TREAT AS PETROLEUM GREASE FIRE, USE CARBON DIOXIDE, DRY CHEMICALS, WATER SPRAY (FOG), FOAM | | | |
| SPECIAL FIRE FIGHTING PROCEDURES: USE N.I.O.S.H. / MESA APPROVED S.C.B.A. | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: SLIGHT, WHEN EXPOSED TO HEAT OR FLAME | | | |
| ABBREVIATIONS: N.A. = NOT APPLICABLE; N.D.F. = NO DATA FOUND; TR.S. = TRADE SECRET; N.E. = NOT ESTABLISHED; C.I.U. = CONDITIONS OF INTENDED USE; < = LESS THAN; > = GREATER THAN. | | | |

| SECTION 5 - REACTIVITY DATA | | | | |
|---|----------------------------------|------------------------|------------------------------------|------------------------|
| STABILITY | UNSTABLE | | | |
| | STABLE | YES | | |
| INCOMPATIBILITY (MATERIALS AND / OR CONDITIONS TO AVOID) | | | | |
| NONE | | | | |
| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID | |
| | WILL NOT OCCUR | X | NONE | |
| SECTION 6 - HEALTH HAZARD DATA | | | | |
| ROUTE (S) OF ENTRY: (NOT LIKELY AT C.I.U.) | INHALATION? POSSIBLE | SKIN? SLIGHT | MUCOUS MEMBRANES / EYES? SLIGHT | INGESTION? POSSIBLE |
| HEALTH HAZARDS (ACUTE AND CHRONIC) | | | | |
| NONE KNOWN AT C.I.U. | | | | |
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| CARCINOGENICITY LISTED: | NTP? NO | IARC MONOGRAPHS? NO | OSHA CARCINOGEN? NO | |
| SIGNS AND SYMPTOMS OF EXPOSURE | | | | |
| OILY FEEL; FUMES FROM OVERHEATING, OR BY-PRODUCTS OF DECOMPOSITION MAY BE RESPIRATORY IRRITANTS (THERE ARE NONE AT C.I.U.); MAY IRRITATE SKIN OR EYES; MAY HAVE LAXATIVE EFFECT IF INGESTED. | | | | |
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| MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE | | | | |
| N.D.F. | | | | |
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| EMERGENCY AND FIRST AID PROCEDURES: INCLUDE POSSIBLE MATERIAL THAT MAY HAVE BEEN MIXED WITH LIQUID DURING USE. | | | | |
| INHALATION – (NOT LIKELY AT C.I.U.) IF CONCERN ARISES, REMOVE TO FRESH AIR. CONSULT PHYSICIAN. | | | | |
| SKIN & CLOTHES – PROMPT SOAP AND WATER WASH. IF DISCOMFORT PERSISTS, CONSULT PHYSICIAN. | | | | |
| EYES – FLUSH WITH WATER. CONSULT PHYSICIAN. | | | | |
| INGESTION – WASH OUT MOUTH, DO NOT INDUCE VOMITING. CONSULT PHYSICIAN. | | | | |
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| SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE – FOLLOW C.I.U. SEE SECTION 1 | | | | |
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED | | | | |
| SCOOP UP AND ABSORB, PLACE IN PLASTIC (POLYETHYLENE OR POLYPROPYLENE) CONTAINER, CAP OR TWIST TIE CLOSURE (SEE SECTION 8). | | | | |
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| WASTE DISPOSAL METHOD: | | | | |
| ALL CHEMICAL DISPOSALS MUST BE IN ACCORDANCE WITH CURRENT LOCAL, STATE, AND FEDERAL REGULATIONS. | | | | |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING | | | | |
| STORE BETWEEN 39 °F AND 104 °F (4 °C AND 40 °C) | | | | |
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| OTHER PRECAUTIONS | | | | |
| N.A. | | | | |
| SECTION 8 - CONTROL MEASURES; WHEN USED AS INTENDED (SEE SECTION 1) | | | | |
| RESPIRATORY PROTECTION (SPECIFY TYPE) | | | | |
| SEE "VENTILATION" | | | | |
| VENTILATION | LOCAL EXHAUST | * | SPECIAL | N.A. |
| | MECHANICAL (GENERAL) | * | OTHER | N.A. |
| PROTECTIVE GLOVES | * PLASTIC SURGICAL TYPE, IF WORN | | EYE PROTECTION | * |
| OTHER PROTECTIVE CLOTHING OR EQUIPMENT | | | | |
| * | | | | |
| * = NOT MANDATORY EXCEPT AS GOOD LABORATORY INDUSTRIAL PRACTICES. ALWAYS USE GOOD HYGIENIC WORK / PRACTICES AS TO HOUSEKEEPING, PERSONAL HYGIENE, USE OF CHEMICAL LAB APRON AND SPLASH GOGGLES, AVOIDANCE OF VAPORS, PROLONGED AND REPEATED SKIN CONTACT. | | | | |
| SPECIAL PRECAUTIONS | | | | |
| N.A. | | | | |
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