

BRODI SPECIALTY PRODUCTS LTD.

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MATERIAL SAFETY DATA SHEET

CGTC 7150

SECTION 1 MATERIAL IDENTIFICATION

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| WHMIS CLASSIFICATION | WHMIS CLASS B3, D-2B |
| CHEMICAL FORMULA | MIXTURE |
| MOLECULAR WEIGHT | NOT APPLICABLE |
| MATERIAL USE | CLEANER |

SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

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| HAZARDOUS INGREDIENT | NONYL PHENOL ETHOXYLATE |
| APPROX. CONCENTRATION % | 1-10 |
| CAS | 7664-38-2 |
| EXPOSURE LIMITS | NOT AVAILABLE |
| LD50/LC50/SPECIES/ROUTE | ORAL (LD50) MG/KG: ACUTE: 2600 (RAT) |

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| HAZARDOUS INGREDIENT | ISOPARAFFINIC HYDROCARBON |
| APPROX. CONCENTRATION % | 50-100 |
| CAS | NOT AVAILABLE |
| EXPOSURE LIMITS | NOT AVAILABLE |
| LD50/LC50/SPECIES/ROUTE | NOT AVAILABLE |

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|-------------------------|--------------------------------------|
| HAZARDOUS INGREDIENT | D-LIMONENE |
| APPROX. CONCENTRATION % | 5-15 |
| CAS | 5989-27-5 |
| EXPOSURE LIMITS | NOT AVAILABLE |
| LD50/LC50/SPECIES/ROUTE | ORAL (LD50) MG/KG: ACUTE: 4400 (RAT) |

SECTION 3 PHYSICAL DATA FOR MATERIAL

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| PHYSICAL STATE | LIQUID |
| ODOUR AND APPEARANCE | CITRUS ODOUR, CLEAR LIQUID |
| ODOUR THRESHOLD (PPM) | NOT AVAILABLE |
| SPECIFIC GRAVITY | 0.86 |
| VAPOUR PRESSURE (MM) | NOT DETERMINED |
| VAPOUR DENSITY (AIR =1) | NOT DETERMINED |
| EVAPORATION RATE | NOT DETERMINED |
| BOILING POINT (°C) | NOT DETERMINED |
| FREEZING POINT (°C) | NOT DETERMINED |
| SOLUBILITY IN WATER (20°C) | NO |
| % VOLATILE (BY VOL.) | >85 |
| PH | NOT AVAILABLE |

SECTION 4 FIRE AND EXPLOSION DATA

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| FLAMMABILITY | COMBUSTIBLE |
| MEANS OF EXTINCTION | SMALL FIRE: USE DRY CHEMICALS, CO ₂ , WATER SPRAY OR FOAM. LARGE FIRE: USE WATER SPRAY, FOG OR FOAM. DO NOT USE WATER JET. |
| SPECIAL PROCEDURES | NOT AVAILABLE |
| FLASHPOINT (°C) AND METHOD | THE LOWEST KNOWN VALUE IS CLOSED CUP: 46°C (114.9°F). (TAGLIABUE). (D-LIMONENE) |
| UPPER EXPLOSION LIMIT (% BY VOL.) | NOT DETERMINED |
| LOWER EXPLOSION LIMIT (% BY VOL.) | NOT DETERMINED |
| HAZARDOUS COMBUSTION PRODUCTS | THESE PRODUCTS ARE CARBON OXIDES (CO, CO ₂). |

SECTION 5 REACTIVITY DATA

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| CHEMICAL STABILITY | STABLE |
| INCOMPATIBILITY? TO WHAT? | HIGHLY REACTIVE WITH OXIDIZING AGENTS, REDUCING AGENTS. VERY SLIGHTLY TO SLIGHTLY REACTIVE WITH ACIDS. |
| HAZARDOUS DECOMPOSITION PRODUCTS | THESE PRODUCTS ARE CARBON OXIDES (CO, CO ₂) AND OTHER IRRITATING GASES. |

SECTION 6 TOXICOLOGICAL PROPERTIES

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| ROUTE OF ENTRY SKIN CONTACT | Y/N | Y |
| ROUTE OF ENTRY EYE CONTACT | Y/N | Y |
| ROUTE OF ENTRY INHALATION | Y/N | Y |
| ROUTE OF ENTRY INGESTION | Y/N | Y |
| EFFECTS OF ACUTE EXPOSURE | THIS PRODUCT MAY IRRITATE EYES AND SKIN UPON CONTACT. INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING AND ITCHING. SLIGHTLY DANGEROUS TO DANGEROUS IN CASE OF INGESTION OR INHALATION. VERY SLIGHTLY TO SLIGHTLY DANGEROUS IN CASE OF SKIN CONTACT (IRRITANT), OF EYE CONTACT (IRRITANT). NON-CORROSIVE FOR SKIN. | |
| EFFECTS OF CHRONIC EXPOSURE | PROLONGED OR REPEATED EXPOSURE CAN CAUSE DRYING, DEFATTING AND DERMATITIS. CAN BE ABSORBED THROUGH SKIN IN TOXIC AMOUNTS IF CONTACT IS REPEATED AND PROLONGED. | |
| SYNERGISTIC MATERIALS | NOT AVAILABLE | |
| CARCINOGENICITY | Y/N | N |
| REPRODUCTIVE EFFECTS | Y/N | N |
| TERATOGENCITY | Y/N | N |
| MUTAGENICITY | Y/N | N |

SECTION 7 PREVENTIVE MEASURES

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| GLOVES | IMPERVIOUS GLOVES |
| EYEWEAR | SAFETY GLASSES |
| FOOTWEAR | AS REQUIRED BY EMPLOYER CODE |
| CLOTHING | AS REQUIRED BY EMPLOYER CODE |
| ENGINEERING CONTROLS | GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. |
| LEAK AND SPILL PROCEDURE | DILUTE WITH WATER AND MOP UP, OR ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL |

WASTE DISPOSAL
STORAGE REQUIREMENTS

CONTAINER. COMBUSTIBLE LIQUID. KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES OF IGNITION. STOP LEAK IF WITHOUT RISK. ABSORB WITH DRY EARTH, SAND OR OTHER NON-COMBUSTIBLE MATERIAL. DO NOT TOUCH SPILLED MATERIAL. PREVENT ENTRY INTO SEWERS, BASEMENTS OR CONFINED AREAS; DIKE IF NEEDED. ELIMINATE ALL SOURCES OF IGNITION. CONSULT YOUR LOCAL OR REGIONAL AUTHORITIES. COMBUSTIBLE MATERIALS SHOULD BE STORED AWAY FROM EXTREME HEAT AND AWAY FROM STRONG OXIDIZING AGENTS. KEEP CONTAINER TIGHTLY CLOSED IN A COOL, WELL-VENTILATED PLACE. GROUND ALL EQUIPMENT CONTAINING MATERIAL. A REFRIGERATED ROOM WOULD BE PREFERABLE FOR MATERIALS WITH A FLASH POINT LOWER THAN 37.8°C (100°F).

SECTION 8 FIRST AID MEASURES

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| SKIN | REMOVE CONTAMINATED CLOTHES AS QUICKLY AS POSSIBLE, PROTECTING YOUR OWN HANDS AND BODY. PLACE THE VICTIM UNDER A DELUGE SHOWER. IF THE CHEMICAL TOUCHES THE VICTIM'S EXPOSED SKIN, SUCH AS THE HANDS: GENTLY AND THOROUGHLY WASH THE CONTAMINATED SKIN WITH RUNNING WATER AND NON-ABRASIVE SOAP. BE PARTICULARLY CAREFUL TO CLEAN FOLDS, CREVICES, CREASES AND GROIN. COLD WATER MAY BE USED. COVER THE IRRITATED SKIN WITH AN EMOLLIENT. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSING. |
| EYE | CHECK FOR AND REMOVE ANY CONTACT LENSES. IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. COLD WATER MAY BE USED. DO NOT USE AN EYE OINTMENT. SEEK MEDICAL ATTENTION. |
| INHALATION | REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN. |
| INGESTION | DO NOT INDUCE VOMITING. HAVE CONSCIOUS PERSON DRINK SEVERAL GLASSES OF WATER OR MILK. SEEK IMMEDIATE MEDICAL ATTENTION. |

*VALIDATED BY BRODI
SPECIALTY PRODUCTS
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