

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Grease Release

SUPPLIER'S NAME: BRODI SPECIALTY PRODUCTS LTD.

SUPPLIER'S ADDRESS: 3175 14 th Ave, Unit 1

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## SECTION 1 MATERIAL IDENTIFICATION

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

## SECTION 2 HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENT	NONYL PHENOL ETHOXYLATE
APPROX. CONCENTRATION %	1-5
CAS	7664-38-2
EXPOSURE LIMITS	NOT AVAILABLE
LD50/LC50/SPECIES/ROUTE	ORAL (LD50) MG/KG: ACUTE: 2600 (RAT)
HAZARDOUS INGREDIENT	ISOPARAFFINIC HYDROCARBON
APPROX. CONCENTRATION %	40-60
CAS	NOT AVAILABLE
EXPOSURE LIMITS	NOT AVAILABLE
LD50/LC50/SPECIES/ROUTE	NOT AVAILABLE
HAZARDOUS INGREDIENT	D-LIMONENE
APPROX. CONCENTRATION %	40-60
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

PHYSICAL STATE	LIQUID
ODOUR AND APPEARANCE	CITRUS ODOUR, RED 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

FLAMMABILITY	COMBUSTIBLE
MEANS OF EXTINCTION	SMALL FIRE: USE DRY CHEMICALS, CO <sub>2</sub> , 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 <sub>2</sub> ).

## SECTION 5 REACTIVITY DATA

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 <sub>2</sub> ) AND OTHER IRRITATING GASES.

## SECTION 6 TOXICOLOGICAL PROPERTIES

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
TERATOGENICITY Y/N	N
MUTAGENICITY Y/N	N

## SECTION 7 PREVENTIVE MEASURES

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 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.
WASTE DISPOSAL	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

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.

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