



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 2914

PRODUCT NAME: MIRA-SEAL**USE:** Automotive Sealer Wax**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** D2B**CHEMICAL FAMILY:** not applicable**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Mineral seal oil	10-30	064742-46-7	LD50 5000 mg/kg	oral/rat
Ethoxylated alcohol	1-5	068439-45-2	LD50 5100 mg/kg	oral/rat
Isopropanol	1-5	000067-63-0	LD50 5045 mg/kg	oral/rat
Ethylene glycol monobutyl ether	1-5	000111-76-2	LD50 560 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** natural rubber, neoprene or nitrile**Eye:** safety glasses**Footwear:** not required**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** not required**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and prolonged skin contact. Do not breathe mist or spray.**VENTILATION REQUIREMENTS:** general ventilation**INCOMPATIBILITY (Material to Avoid):** oxidizing materials**SPILL PROCEDURES:** Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal. Wash spill area with large volumes of water.**WASTE DISPOSAL:** Dispose according to municipal, provincial, and federal regulations.**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container. Avoid freezing.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, yellow liquid - lemon odour**S.G. / BULK DENSITY(g/cc):** 0.95**pH:** (concentrate): 5.5**VAPOUR PRESSURE (mmHg):** not available**VAPOUR DENSITY (air=1):** not available**ODOUR THRESHOLD:** not available**BOILING POINT:** 100°C**FREEZING POINT:** 0°C**PERCENT VOLATILE:** 69 %**SOLUBILITY IN WATER:** Soluble**EVAPORATION RATE (water=1):** not available

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** May cause irritation. No serious or irreversible effects expected if treated promptly.**SKIN:** Repeated or prolonged contact may result in irritation.**INGESTION:** May cause irritation of the digestive tract.

INHALATION: May cause headache but only at high concentration.	
LD50 (calculated): 8534 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: TLV (Ethylene Glycol Monobutyl Ether) 25 ppm skin notation; TLV-TWA (Isopropanol) 400 ppm	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: none known	
VI - FIRST AID MEASURES	
EYES: Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician. SKIN: Flush affected area thoroughly with water. If irritation develops, contact a physician. INGESTION: Drink large volumes of water. Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately. INHALATION: Remove patient to fresh air.	
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: N/Ap
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: not required	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: keep from freezing, excessive heat	
INCOMPATIBILITY (Material to Avoid) : oxidizing materials	
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with oxidizing materials.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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