



I - PRODUCT IDENTIFICATION AND USE		MSDS ID: 2910		
PRODUCT NAME: MIRA-DRI				
USE: Drying agent for carwashes				
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada	EMERGENCY PHONE: 1-800-668-7171			
WHMIS CLASSIFICATION: D2B	TRADE NAME / SYNONYMS: not applicable			
CHEMICAL FAMILY: 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
Ethylene glycol monobutyl ether	1-5	000111-76-2	LD50 560 mg/kg	oral/rat
Isopropanol	1-5	000067-63-0	LD50 5045 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 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.				
IV - PHYSICAL PROPERTIES				
APPEARANCE / ODOUR: Clear yellow/amber liquid				
S.G. / BULK DENSITY(g/cc): 0.93		pH: 8.0		
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: 68%		
SOLUBILITY IN WATER: soluble		EVAPORATION RATE (water=1): >1		
V - TOXICOLOGICAL PROPERTIES				
EFFECTS OF ACUTE EXPOSURE TO MATERIAL:				
EYES: May cause irritation. No serious or irreversible effects expected.				
SKIN: May cause irritation. No serious or irreversible effects expected.				
INGESTION: Irritation of digestive tract, with nausea and vomiting.				

INHALATION: May cause headache, but only at high concentration.

LD50 (calculated): 7,346 mg/kg

LC50 (calculated): not available

OTHER TOXIC EFFECTS: TLVL (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: not applicable

FLASH POINT, °C: not applicable

AUTO IGNITION TEMPERATURE, °C: N/A

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: oxides of carbon

REACTIVITY: not dangerously reactive

IX - MSDS PREPARATION

SOURCES USED: RTECS, ChemInfo.

PREPARED BY: JohnsonDiversey Canada, Inc.
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