



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 3807

PRODUCT NAME: DUOSOL

USE: Emulsifiable Solvent Cleaner

SUPPLIER:

JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada

EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: B3 D2B

CHEMICAL FAMILY: Solvent

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Petroleum hydrocarbons	60-100	008008-20-6	LD50 6460 mg/kg	oral/rat
Alcohol ethoxylate	7-13	068131-40-8	LD50 3200 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Neoprene or Nitrile

Eye: safety glasses

Footwear: not required

Respiratory: If mists are generated, use NIOSH approved mask

Other: not applicable

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. Do not breathe mist or spray. Do not expose to heat, spark or open flame. Niosh approved respirator if required.

VENTILATION REQUIREMENTS: mechanical exhaust

INCOMPATIBILITY (Material to Avoid): strong oxidizers

SPILL PROCEDURES: Ensure adequate ventilation. Remove all sources of heat and ignition. Contain the spill. Do not allow the spilled product to go to drain. Mop up or soak up with absorbent clay for disposal. LARGE SPILLS: Dike and pump into suitable containers.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. Avoid excessive heat.

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, pale brown liquid - solvent odour

S.G. / BULK DENSITY(g/cc): 0.84

pH: not applicable

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not available

BOILING POINT: 172°C

FREEZING POINT: not available

PERCENT VOLATILE: 85%

SOLUBILITY IN WATER: dispersable

EVAPORATION RATE (water=1): >1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause severe irritation. May cause temporary or permanent damage if not treated promptly.

SKIN: Repeated or prolonged contact may result in drying and cracking of skin.

INGESTION: May cause severe irritation of the digestive tract. Nausea and vomiting likely.

INHALATION: Breathing spray or mist may cause respiratory irritation.

LD50 (calculated): 6142 mg/kg		LC50 (calculated): Not available	
OTHER TOXIC EFFECTS: TLV - TWA (Petroleum hydrocarbons): 100 mg/m3 (10 hrs.)			
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 immediately.		
SKIN:	Wash with soap. Flush affected area thoroughly with water. If irritation develops, contact a physician. Apply hand cream to reduce dryness.		
INGESTION:	Do not induce vomiting. Contact a physician immediately.		
INHALATION:	Remove patient to fresh air. Apply artificial resuscitation if necessary. Contact a physician.		
VII - FIRE AND EXPLOSION DATA			
FLAMMABLE: Yes, combustible if heated			
FLASH POINT, °C: 48°C		AUTO IGNITION TEMPERATURE, °C: N/Avail.	
EXTINGUISHING MEDIA: Water [] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []			
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.			
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.			
EXPLOSIVE SENSITIVITY TO: Impact [] Static Discharge [] Heat [] Other [x]			
VIII - REACTIVITY DATA			
STABILITY: Stable [x] Unstable []			
CONDITIONS TO AVOID: high temperature			
INCOMPATIBILITY (Material to Avoid) : strong oxidizers			
HAZARDOUS DECOMPOSITION PRODUCTS: not available			
REACTIVITY: not dangerously reactive.			
IX - MSDS PREPARATION			
SOURCES USED: RTECS, MSDS		PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200	
PREPARATION DATE: April 15, 2003			
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