



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: AM3806

PRODUCT NAME: SPIRIT 140

USE: 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: Hydrocarbon

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Petroleum hydrocarbon	60-100	064742-48-9	not available	
Dipropylene glycol methyl ether	7-13	034590-94-8	LD50 5660 mg/kg	oral/rat
Dipropylene glycol methyl ether acetate	7-13	088917-22-0	LD50 5000 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Natural Rubber or Neoprene

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, spray or vapours. Do not expose to heat, spark or open flame. Face mask with NIOSH approved cartridges for organic vapours.

VENTILATION REQUIREMENTS: mechanical exhaust

INCOMPATIBILITY (Material to Avoid): Strong oxidizers, chlorinated cleaners, bleaches

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Ensure adequate ventilation. Mop up or soak up with absorbent clay for disposal.

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 colourless liquid

S.G. / BULK DENSITY(g/cc): 0.80

pH: not applicable

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not available

ODOUR THRESHOLD: not available

BOILING POINT: not available

FREEZING POINT: not available

PERCENT VOLATILE: 99%

SOLUBILITY IN WATER: dispersable

EVAPORATION RATE (water=1): >1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause severe irritation. No serious or irreversible effects expected.

SKIN: May cause defatting, drying and cracking of skin.

INGESTION: May cause irritation of the digestive tract. May cause headache, nausea, dizziness, vomiting and diarrhea.

INHALATION: May cause headache, drowsiness and dizziness.	
LD50 (calculated): 8670 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: TLV: Dipropylene glycol methyl ether TWA 100 ppm, STEL 150 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: Wash with soap. Flush affected area thoroughly with water. If irritation develops, contact a physician. INGESTION: Do not induce vomiting. Contact a physician immediately. INHALATION: Remove patient to fresh air.	
VII - FIRE AND EXPLOSION DATA	
FLAMMABLE: Yes, combustible if heated.	
FLASH POINT, °C: 86°C (Pensky-Martens)	AUTO IGNITION TEMPERATURE, °C:
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: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [X] Unstable []	
CONDITIONS TO AVOID: high temperature	
INCOMPATIBILITY (Material to Avoid) : Strong oxidizers, strong acids, chlorinated cleaners, bleaches	
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with oxidizing materials and strong acids.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS, ChemInfo	PREPARED BY: JohnsonDiversey Canada. Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: April 15, 2003	
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