



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 04104010

PRODUCT NAME: RESOLUTE 104**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
Ethoxypropionic acid, ethyl ester	15-40	000763-69-9	LD50 5000 mg/kg	oral/rat
Propylene glycol monomethyl ether	15-40	000107-98-2	LD50 5660 mg/kg	oral/rat
Propylene glycol methyl ether acetate	15-40	000108-65-6	LD50 8532 mg/kg	oral/rat
Petroleum hydrocarbon	15-40	064742-48-7	LD50 >5000 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** impermeable gloves**Eye:** safety goggles**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; slightly sweet odour**S.G. / BULK DENSITY(g/cc):** 0.91**pH:** not applicable**VAPOUR PRESSURE (mmHg):** >28**VAPOUR DENSITY (air=1):** <1**ODOUR THRESHOLD:** not available**BOILING POINT:** 121°C**FREEZING POINT:** not available**PERCENT VOLATILE:** 98%**SOLUBILITY IN WATER:** <20%**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): 7343 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: None known	
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: 40°C (TCC)	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: October 20, 2003	
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