



## I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 2359

PRODUCT NAME: GREEN VALLEY WINDOW CLEANER

USE: Glass and window 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: Alkali/Solvent

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

## II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Isopropanol	1-5	000067-63-0	LD50 5045 mg/kg	oral/rat
Dipropylene glycol methyl ether	1-5	034590-94-8	LD50 5700 mg/kg	oral/rat

## III - HANDLING AND DISPOSAL PROCEDURES

## PERSONAL PROTECTIVE EQUIPMENT:

Gloves: not required

Eye: not required

Footwear: not required

Respiratory: If mists are generated, use NIOSH approved mask

Other: not required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye contact. Do not breathe mist, spray or vapours. Do not expose to heat, spark or open flame.

VENTILATION REQUIREMENTS: general ventilation

INCOMPATIBILITY (Material to Avoid): oxidizing agents

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.

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 blue liquid

S.G. / BULK DENSITY(g/cc): 0.99

pH: 10.5 ± 0.5

VAPOUR PRESSURE (mmHg): not available

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not applicable

BOILING POINT: not available

FREEZING POINT: below 0°C

PERCENT VOLATILE: approx. 99%

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE (water=1): not available

## V - TOXICOLOGICAL PROPERTIES

## EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: May cause severe irritation.

SKIN: Repeated or prolonged contact may result in irritation.

INGESTION: May cause severe irritation of the digestive tract. May cause temporary or permanent damage if not treated promptly.

INHALATION: Breathing spray or mist may cause respiratory irritation. Excessive exposure may cause dizziness.

LD50 (calculated): 89,340 mg/kg

LC50 (calculated): not applicable

**OTHER TOXIC EFFECTS:** TLV - TWA (Isopropanol): 400 ppm; TLV (Propylene glycol mehtyl ether): 25 ppm ceiling

**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:** 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. Get medical attention for any breathing difficulty.

### VII - FIRE AND EXPLOSION DATA

**FLAMMABLE:** Yes, combustible if heated.

**FLASH POINT, °C:** 48.5°C

**AUTO IGNITION TEMPERATURE, °C:** N/A

**EXTINGUISHING MEDIA:** Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [ ] 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) :** oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Heat on contact with strong oxidizers.

**REACTIVITY:** not dangerously reactive

### IX - MSDS PREPARATION

**SOURCES USED:** RTECS

**PREPARED BY:** JohnsonDiversev Canada. Inc.  
Regulatory Department  
Institutional Division  
Phone (905) 829-1200

**PREPARATION DATE:** April 15, 2003

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