



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 1286

PRODUCT NAME: GLASS CLEANER D61 CONC**USE:** Glass 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	10-30	000067-63-0	LD50 5045 mg/kg	oral/rat
Propylene glycol monomethyl ether	10-30	000107-98-2	LD50 5660 mg/kg	oral/rat
Ammonium hydroxide	1-5	001336-21-6	LD50 350 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):** acids**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. UN1993

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear blue liquid, ammonia odour.**S.G. / BULK DENSITY(g/cc):** 0.93**pH:** 10.4**VAPOUR PRESSURE (mmHg):** not available**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not applicable**BOILING POINT:** approx. 100°C**FREEZING POINT:** -1°C**PERCENT VOLATILE:** approx. 96%**SOLUBILITY IN WATER:** Soluble**EVAPORATION RATE (water=1):** approx. 1

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): 7045 mg/kg		LC50 (calculated): not applicable	
OTHER TOXIC EFFECTS: TLV-TWA (Isopropyl alcohol): 520 mg/m3 (400 ppm) TLV - (Propylene Glycol Methyl Ether): 25 ppm ceiling TLV - STEL (Ammonium Hydroxide): 35 ppm NH3			
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: 43°C (TCC)		AUTO IGNITION TEMPERATURE, °C: N/App.	
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [] Other []			
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.			
HAZARDOUS COMBUSTION PRODUCTS: Ammonia. Oxides of carbon.			
EXPLOSIVE SENSITIVITY TO: not applicable			
VIII - REACTIVITY DATA			
STABILITY: Stable [X] Unstable []			
CONDITIONS TO AVOID: high temperature			
INCOMPATIBILITY (Material to Avoid) : Chlorinated materials, oxidizing materials.			
HAZARDOUS DECOMPOSITION PRODUCTS: Heat on contact with strong oxidizers. Chloramines on contact with chlorinated materials. Nitrogen oxides.			
REACTIVITY: not dangerously reactive			
IX - MSDS PREPARATION			
SOURCES USED: RTECS		PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200	
PREPARATION DATE: April 15, 2003			
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