



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 2354

PRODUCT NAME: GREEN VALLEY CONCENTRATED ALL-PURPOSE POWDER DETERGENT**USE:** Laundry Detergent**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** D2B**CHEMICAL FAMILY:** not applicable**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium metasilicate	10-30	006834-92-0	LD50 1153 mg/kg	oral/rat
Sodium carbonate	30-60	000497-19-8	LD50 4090 mg/kg	oral/rat
Sodium dodecylbenzene sulfonate	1-5	025155-30-0	LD50 1260 mg/kg	oral/rat
Sodium nitrilotriacetate	10-30	005064-31-3	LD50 1100 mg/kg	oral/rat
Linear alcohol ethoxylate	5-10	068131-39-5	LD50 1000 mg/kg	oral/rat
Citric acid	1-5	000077-92-9	LD50 11700 mg/kg	oral/rat

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Natural Rubber, Neoprene or Nitrile **Eye:** Safety glasses **Footwear:** not required**Respiratory:** NIOSH approved dust mask as required. **Other:** not applicable**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and skin contact. Avoid breathing dust.**VENTILATION REQUIREMENTS:** general ventilation**INCOMPATIBILITY (Material to Avoid):** acids**SPILL PROCEDURES:** Sweep or scoop up material for disposal. Wash spill area with large volumes of water.**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: Free-flowing granular powder - lemon odour**S.G. / BULK DENSITY(g/cc):** 0.90**pH:** 11.0**VAPOUR PRESSURE (mmHg):** not applicable**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not applicable**BOILING POINT:** not applicable**FREEZING POINT:** not applicable**PERCENT VOLATILE:** not applicable**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** not applicable

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:** May cause irritation.**INGESTION:** May cause nausea, vomiting and/or diarrhea.

INHALATION: May cause irritation.	
LD50 (calculated): 2110 mg/kg	LC50 (calculated): not applicable
OTHER TOXIC EFFECTS: TLV (Sodium metasilicate): 2 mg/m3	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:	The product contains NTA. In laboratory tests, rats and mice continuously fed highly exaggerated doses of NTA showed evidence of urinary tract (bladder and kidney) toxicity, including cancer; lower doses showed none of these toxic affects. By ACGIH guidelines, NTA would not be considered an occupational (human) carcinogen of any practical significance.
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: No	
FLASH POINT, °C: not applicable	AUTO IGNITION TEMPERATURE, °C: none
EXTINGUISHING MEDIA: Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: not required	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: high humidity	
INCOMPATIBILITY (Material to Avoid) : concentrated mineral acids	
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with acids.	
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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