



MATERIAL SAFETY DATA SHEET



I - PRODUCT IDENTIFICATION AND USE					MSDS ID: 2308
PRODUCT NAME: SUNLIGHT DISHWASHER POWDER DETERGENT					
USE: Machine Warewashing Detergent					
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada			EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: D2B			TRADE NAME / SYNONYMS: not applicable		
CHEMICAL FAMILY: Chlorinated Alkali			CHEMICAL NAME: not applicable		
II - HAZARDOUS INGREDIENTS					
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species	
Sodium carbonate	30-60	000497-19-8	LD50 4090 mg/kg	oral/rat	
Linear alcohol ethoxylate/propoxylate	1-5	069227-21-0	LD50 3400 mg/kg	oral/rat	
Sodium metasilicate	7-13	006834-92-0	LD50 1153 mg/kg	oral/rat	
Disodium dichloroisocyanurate	1-5	051580-86-0	LD50 620 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 required			
SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid breathing dust. Avoid eye and skin contact.					
VENTILATION REQUIREMENTS: General ventilation					
INCOMPATIBILITY (Material to Avoid): acids, ammonia containing compounds					
SPILL PROCEDURES: Sweep or scoop up material 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: Yellow, free-flowing powder - lemon odour					
S.G. / BULK DENSITY(g/cc): 0.84 - 0.98			pH: (1% solution): 10.7		
VAPOUR PRESSURE (mmHg): not applicable			VAPOUR DENSITY (air=1): not applicable		
ODOUR THRESHOLD: 0.2-0.4 ppm chlorine			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 permanent damage if not treated promptly.					
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 dust may cause respiratory irritation.					

LD50 (calculated): 4462 mg/kg		LC50 (calculated): not applicable	
OTHER TOXIC EFFECTS: TLV (sodium metasilicate) 2 mg/m3			
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: No			
FLASH POINT, °C: not applicable		AUTO IGNITION TEMPERATURE, °C: N/Ap	
EXTINGUISHING MEDIA: Water <input checked="" type="checkbox"/> Dry Chemical <input checked="" type="checkbox"/> Carbon Dioxide <input checked="" type="checkbox"/> Foam <input checked="" type="checkbox"/> Other <input type="checkbox"/>			
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.			
HAZARDOUS COMBUSTION PRODUCTS: Chlorine gas. Oxides of carbon, nitrogen.			
EXPLOSIVE SENSITIVITY TO: not applicable			
VIII - REACTIVITY DATA			
STABILITY: Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>			
CONDITIONS TO AVOID: not applicable			
INCOMPATIBILITY (Material to Avoid): acids, ammonia containing compounds			
HAZARDOUS DECOMPOSITION PRODUCTS: Contact with acids generates chlorine gas.			
REACTIVITY: not dangerously reactive			
IX - MSDS PREPARATION			
SOURCES USED: RTECS, Cheminfo		PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Institutional Division Phone (905) 829-1200	
PREPARATION DATE: April 15, 2003			
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