



I - PRODUCT IDENTIFICATION AND USE				MSDS ID: 0067
PRODUCT NAME: DIVOSAN CD-25				
USE: Generation of Chlorine Dioxide				
SUPPLIER: JohnsonDiversey Canada, Inc. 2401 Bristol Circle Oakville Ontario, L6H 6P1, Canada		EMERGENCY PHONE: 1-800-668-7171		
WHMIS CLASSIFICATION: C E CHEMICAL FAMILY: Oxidizer		TRADE NAME / SYNONYMS: not applicable CHEMICAL NAME: Sodium Chlorite solution		
II - HAZARDOUS INGREDIENTS				
HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium chlorite	10-30	007758-19-2	LD50 165 mg/kg	oral/rat
III - HANDLING AND DISPOSAL PROCEDURES				
PERSONAL PROTECTIVE EQUIPMENT: Gloves: Natural rubber, Neoprene, Nitrile or PVC 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 or spray.				
VENTILATION REQUIREMENTS: mechanical exhaust				
INCOMPATIBILITY (Material to Avoid): Acids. Organic materials.				
SPILL PROCEDURES: Contain the spill. Collect into clean metal or HDPE containers. Wash spill area with large volumes of water. Do not use rags, sawdust or other combustible material.				
WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.				
STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. UN1908				
IV - PHYSICAL PROPERTIES				
APPEARANCE / ODOUR: Clear, colourless liquid. Slight chlorine odour.				
S.G. / BULK DENSITY(g/cc): 1.22		pH: 11.5 - 12.0		
VAPOUR PRESSURE (mmHg): not applicable		VAPOUR DENSITY (air=1): not applicable		
ODOUR THRESHOLD: not available		BOILING POINT: 100°C		
FREEZING POINT: -5°C - 0°C		PERCENT VOLATILE: 90%		
SOLUBILITY IN WATER: soluble		EVAPORATION RATE (water=1): not available		
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: Repeated or prolonged contact may result in irritation. INGESTION: May cause severe irritation of the digestive tract. May cause vomiting, nausea, diarrhea and cramps. INHALATION: May cause irritation.				
LD50 (calculated): 660 mg/kg		LC50 (calculated): N/App.		
OTHER TOXIC EFFECTS: Not available				

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: Not available

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: Do not induce vomiting. Drink large volumes of water . Never give anything by mouth to an unconscious patient. Contact a physician immediately.

INHALATION: Remove patient to fresh air. Get medical attention for any breathing difficulty.

VII - FIRE AND EXPLOSION DATA

FLAMMABLE: No. Combustible materials wetted with this solution and allowed to dry are easily ignited and burn vigorously.

FLASH POINT, °C: not applicable **AUTO IGNITION TEMPERATURE, °C:** N/App.

EXTINGUISHING MEDIA: Water ☒ Dry Chemical ☐ Carbon Dioxide ☐ Foam ☐ Other ☐

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS: not applicable.

EXPLOSIVE SENSITIVITY TO: not applicable

VIII - REACTIVITY DATA

STABILITY: Stable ☒ Unstable ☐

CONDITIONS TO AVOID: high temperature

INCOMPATIBILITY (Material to Avoid) : All combustible materials. Reducing agents . Acids. Powdered metals. Ammonium compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: On heating, dried out solution will give off oxygen.

REACTIVITY: Mixing with acids releases chlorine dioxide. Combustible materials wetted with this solution and allowed to dry are easily ignited and burn vigorously.

IX - MSDS PREPARATION

SOURCES USED: RTECS

PREPARATION DATE: April 15, 2003

PREPARED BY: JohnsonDiversey Canada, Inc.
Regulatory Department
Food Division
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