



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 05057

PRODUCT NAME: IWT-4B**USE:** Corrosion Inhibitor**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** D2B E**CHEMICAL FAMILY:** alkali**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium tetraborate	7-13	001303-96-4	LD50 2660 mg/kg	oral/rat
Sodium nitrite	7-13	007632-00-0	LD50 85 mg/kg	oral/rat
Sodium silicate	1-5	001344-09-8	LD50 3300 mg/kg	oral/rat
Sodium hydroxide	1-5	001310-73-2	LDLo 500 mg/kg	oral/rab

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Natural rubber, neoprene or nitrile**Eye:** Safety Goggles**Footwear:** As required**Respiratory:** If mists are generated, use NIOSH approved mask**Other:** Not normally required.**SPECIAL HANDLING PROCEDURES AND EQUIPMENT:** Avoid eye and skin contact.**VENTILATION REQUIREMENTS:** general ventilation**INCOMPATIBILITY (Material to Avoid):** Acidic materials**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. 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. Avoid freezing

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Clear, purple liquid**S.G. / BULK DENSITY(g/cc):** 1.20**pH:** (concentrate): 11.9 - 12.7**VAPOUR PRESSURE (mmHg):** 17.5 @ 20°C**VAPOUR DENSITY (air=1):** not applicable**ODOUR THRESHOLD:** not available**BOILING POINT:** approx. 100°C**FREEZING POINT:** approx. 0°C**PERCENT VOLATILE:** 75%**SOLUBILITY IN WATER:** soluble**EVAPORATION RATE (water=1):** <1

V - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:**EYES:** Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.**SKIN:** Corrosive. May cause severe irritation.

INGESTION: Corrosive. May cause severe irritation of the digestive tract. Ingestion may cause gastrointestinal irritation. Ingestion of large amounts may cause poisoning.	
INHALATION: Breathing mist or spray may cause respiratory irritation.	
LD50 (calculated): 696 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: Sodium Tetraborate TWA 1 mg/m3; Sodium Nitrite TLV 10 mg/m3; Sodium Hydroxide TLV-CL 2mg/m3 Do not mix with amines; nitrosamines may be formed.	
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:	
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 [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of nitrogen	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [X] Unstable []	
CONDITIONS TO AVOID: Excessive heat	
INCOMPATIBILITY (Material to Avoid) : Acidic materials	
HAZARDOUS DECOMPOSITION PRODUCTS: Heat released on contact with acids, oxides of nitrogen.	
REACTIVITY: not dangerously reactive	
IX - MSDS PREPARATION	
SOURCES USED: RTECS	PREPARED BY: JohnsonDiversey Canada, Inc. Regulatory Department Industrial Division Phone (905) 829-1200
PREPARATION DATE: August 27, 2004	
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