



I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 00403

PRODUCT NAME: CONFIDENCE 41 PBB**USE:** Boiler Water Treatment**SUPPLIER:**JohnsonDiversey Canada, Inc.
2401 Bristol Circle
Oakville Ontario, L6H 6P1, Canada**EMERGENCY PHONE:****1-800-668-7171****WHMIS CLASSIFICATION:** E**CHEMICAL FAMILY:** caustic alkali**TRADE NAME / SYNONYMS:** not applicable**CHEMICAL NAME:** not applicable

II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	% w/w	CAS #	LD50 / LC50	Route / Species
Sodium hydroxide	30-60	001310-73-2	LDLo 500 mg/kg	oral/rab
Sodium sulphite	30-60	007757-83-7	LD50 820 mg/kg	oral/mouse

III - HANDLING AND DISPOSAL PROCEDURES

PERSONAL PROTECTIVE EQUIPMENT:**Gloves:** Impermeable gloves**Eye:** Safety Goggles**Footwear:** Rubber boots as required**Respiratory:** NIOSH approved dust mask.**Other:** Not normally required

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. Wear protective equipment. Rapid mixing of this product with water generates heat and dangerous boiling can result. Always add this product to cold water slowly and with good mixing.

VENTILATION REQUIREMENTS: General ventilation**INCOMPATIBILITY (Material to Avoid):** Acidic and oxidizing materials, aluminum and other soft metals.

SPILL PROCEDURES: Contain the spill. Do not allow the spilled product to go to drain. Sweep or scoop up material for disposal. Wash spill area water. Wear protective clothing.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.**STORAGE / SHIPPING REQUIREMENT:** Store in a cool dry area in a closed container. UN3262

IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Speckled yellow-cream granules, mild organic, light sulphite.**S.G. / BULK DENSITY(g/cc):** 0.85**pH:** (1% solution): 13**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:** Corrosive. May cause severe irritation. May cause permanent damage if not treated promptly.**SKIN:** Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.**INGESTION:** Corrosive. 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): 750 mg/kg	LC50 (calculated): not available
OTHER TOXIC EFFECTS: Sodium hydroxide TWA 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 [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other []	
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.	
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and sulphite.	
EXPLOSIVE SENSITIVITY TO: not applicable	
VIII - REACTIVITY DATA	
STABILITY: Stable [x] Unstable []	
CONDITIONS TO AVOID: Excessive heat.	
INCOMPATIBILITY (Material to Avoid) : Acidic and oxidizing materials, aluminum and other soft metals.	
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and sulphite. Contact with soft metals forms flammable hydrogen gas.	
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: April 15, 2003	
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