



## I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 04881

PRODUCT NAME: CONFIDENCE 40

USE: Boiler Water Treatment for Softened Makeup Water

## 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
Potassium hydroxide	0.5-1.5	001310-58-3	LD50 365 mg/kg	oral/rat
Sodium sulphite	5-10	007757-83-7	LD50 3560 mg/kg	oral/rat
Potassium sulfite	5-10	010117-38-1	N/Av	

## III - HANDLING AND DISPOSAL PROCEDURES

## PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Natural rubber or Neoprene

Eye: Safety goggles

Footwear: As required

Respiratory: If mists are generated, use NIOSH approved mask

Other: Rubber apron

SPECIAL HANDLING PROCEDURES AND EQUIPMENT: Avoid eye and skin contact. Do not breathe mist, spray or vapours.

VENTILATION REQUIREMENTS: General ventilation

INCOMPATIBILITY (Material to Avoid): Acids, Soft metals.

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. UN3266

## IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: Amber liquid

S.G. / BULK DENSITY(g/cc): 1.15

pH: (concentrate) 12.7

VAPOUR PRESSURE (mmHg): 17.5 @ 20°C

VAPOUR DENSITY (air=1): 17.3

ODOUR THRESHOLD: not applicable

BOILING POINT: approx. 100°C

FREEZING POINT: 0°C

PERCENT VOLATILE: 82%

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. May cause 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: Corrosive. Inhalation of spray, mist or vapours may cause irritation of respiratory tract.

<b>LD50 (calculated):</b> 811 mg/kg	<b>LC50 (calculated):</b> Not applicable
<b>OTHER TOXIC EFFECTS:</b> Potassium hydroxide TLV-CL 2 mg/m3; Sodium Metabisulphite TLV-TWA 5 mg/m3	
<b>EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:</b> None known	
<b>VI - FIRST AID MEASURES</b>	
<b>EYES:</b>	Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.
<b>SKIN:</b>	Flush affected area thoroughly with water. If irritation develops, contact a physician.
<b>INGESTION:</b>	Drink large volumes of water . Never give anything by mouth to an unconscious patient. Do not induce vomiting. Contact a physician immediately.
<b>INHALATION:</b>	Remove patient to fresh air. Get medical attention for any breathing difficulty.
<b>VII - FIRE AND EXPLOSION DATA</b>	
<b>FLAMMABLE:</b> No	
<b>FLASH POINT, °C:</b> not applicable	<b>AUTO IGNITION TEMPERATURE, °C:</b> N/Ap
<b>EXTINGUISHING MEDIA:</b> Water [X] Dry Chemical [X] Carbon Dioxide [X] Foam [X] Other [ ]	
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear self-contained breathing apparatus.	
<b>HAZARDOUS COMBUSTION PRODUCTS:</b> Oxides of carbon, sulfur.	
<b>EXPLOSIVE SENSITIVITY TO:</b> not applicable	
<b>VIII - REACTIVITY DATA</b>	
<b>STABILITY:</b> Stable [X] Unstable [ ]	
<b>CONDITIONS TO AVOID:</b> Not applicable	
<b>INCOMPATIBILITY (Material to Avoid) :</b> Acids, Soft metals.	
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Contact with acids will produce heat. Contact with soft metals forms flammable hydrogen gas.	
<b>REACTIVITY:</b> Not dangerously reactive	
<b>IX - MSDS PREPARATION</b>	
<b>SOURCES USED:</b> RTECS, MSDS	<b>PREPARED BY:</b> JohnsonDiversey Canada. Inc. Regulatory Department Industrial Division Phone (905) 829-1200
<b>PREPARATION DATE:</b> April 15, 2003	
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