
MATERIAL SAFETY DATA SHEET

Page 1 of 4
Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

CONFIDENCE 60-C**MSDS ID: 00376**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CONFIDENCE 60-C
Product Descriptor: Boiler Water Treatment
MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
CYCLOHEXYLAMINE	108-91-8	1 - 5%	TWA 10	PPM
DIETHYLAMINO ETHANOL	100-37-8	5 - 15%	TWA 10 (skin)	PPM
MORPHOLINE	110-91-8	1 - 5%	TWA 20 (skin)	PPM
SODIUM METABISULFITE	7681-57-4	5 - 15%	TLV 5	MG/M3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING - Product contains irritating or harmful chemical and solvents. Causes eye and skin irritation or burns, and possible respiratory irritation. May be harmful if swallowed. Do not get in eyes, on skin or clothing. Wear eye protection, rubber gloves, protective clothing and footwear. Wash after handling. Avoid breathing dust, mist, or vapors. Heat and evaporation may release vapors that cause respiratory irritation, dizziness or headache. Wear respiratory protection in enclosed areas.

POSSIBLE ROUTES OF ENTRY: Inhalation and ingestion.

Skin contact/absorption

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Severe irritation with redness, pain and swelling. SKIN: Severe irritation or burns with rash, redness, pain or itching. INGESTION: If swallowed, gastric distress, diarrhea, nausea and vomiting may occur. INHALATION: Spray or mist causes severe irritation with pain, choking, and breathing difficulty.

CHRONIC: Contact dermatitis or sensitization.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis, sensitive skin, pulmonary function and asthma.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin and respiratory tract.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention.

SKIN: Flush thoroughly with plenty of water. Wash with mild soap and water. Remove contaminated clothes and shoes and clean before reuse. Get medical attention for any painful, red or injured

CONFIDENCE 60-C

MSDS ID: 00376

IV. FIRST AID MEASURES (Cont.)

skin.

INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.

INHALATION: If inhaled, move to fresh air. If patient is not breathing, give artificial respiration. If breathing is difficult, give oxygen under the direction of trained personnel or a physician. Get immediate medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): None FLAME EXTENSION: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/A UEL: N/A

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.

EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.

FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus SCBA) in fire area.

SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:

Contain spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of in accordance with local, State and Federal regulations. Flush spill area with water.

This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store in a cool, dry area, keep away from acids. Keep container closed when not in use. Wear protective gear when handling or using. Do not pressurize container to empty.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Chemical goggles if contact or splash hazard exists.

PROTECTIVE GLOVES: Liquid proof gloves.

RESPIRATORY PROTECTION: Product does not have any established exposure limits. NIOSH/MSHA approved respirator recommended in enclosed or confined spaces where high air concentration or long exposure may occur.

OTHER PROTECTIVE CLOTHING/EQUIPMENT: Wear chemical resistant apron when handling.

ENGINEERING CONTROLS:

VENTILATION: Good general ventilation should be sufficient to control airborne levels.

CONFIDENCE 60-C

MSDS ID: 00376

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Amber liquid with mild amine odor.

BOILING POINT (DEG F): >212	FREEZING POINT: N/D
SPECIFIC GRAVITY/BULK DENSITY: 1.1	
pH: 8.95	pH 1% SOLUTION: N/A
VOLATILE BY VOLUME: 87.7	
SOLUBILITY IN WATER: Soluble	
VAPOR PRESSURE(mmHg): 17.5	at 20 C
VAPOR DENSITY: 17.3	

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.
INCOMPATIBILITY WITH OTHER MATERIALS: Acids; Oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon; oxides of nitrogen; oxides of sulfur; hydrogen gas
HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

TOXICITY TEST DATA:

Diethylamino ethanol:

Intraperitoneal LD50	(rat)	1220 mg/kg
Dermal LD50	(rabbit)	1260 mg/kg
Dermal LD50	(Guinea pig)	1000 mg/kg
Oral LD50	(rat)	1300 mg/kg
Intraperitoneal LD50	(mouse)	1561 mg/kg
Intramuscular LD50	(mouse)	416 mg/kg
Subcutaneous LD50	(mouse)	308 mg/kg

Morpholine:

Oral LD50	(rat)	1.05 gm/kg
Dermal LD50	(rabbit)	0.50 gm/kg
Skin Irritancy:	(rabbit) corrosive	(Draize 8.00/8.0)
Eye Irritancy:	(rabbit) extremely irritating	(Draize 80-110/110)

XII. ECOLOGICAL INFORMATION

Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

ECOTOXICITY TEST DATA:

Sodium Metabisulfite:

LC50 (96 hr)	(Gambusia affinis)	120 mg/l
--------------	--------------------	----------

Diethylamino Ethanol:

LC50 (96 hr)	(Pimephales promelas)	1780 mg/l
--------------	-----------------------	-----------

ENVIRONMENTAL FATE: No data available.

MATERIAL SAFETY DATA SHEET

Page 4 of 4
Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

CONFIDENCE 60-C

MSDS ID: 00376

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.
Discharge diluted product to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Rinse container with water. Recycle or dispose of container according to product labeling or governmental regulations.

XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:
TSCA: All ingredients in this product are on TSCA inventory.
HAPS: NONE
VOC CONTENT (EPA Method 24A): % VOC: 11 Lb/Gal VOC: 1.01
CERCLA/EPCRA:
Section 313 Toxic Chemicals:
NONE
SARA Section 311/312:
ACUTE: YES CHRONIC: YES FIRE: NO REACTIVITY: NO
SUDDEN RELEASE OF PRESSURE: NO
LISTED CARCINOGEN: NONE
NTP: No IARC: No OSHA: No
HMIS RATINGS: HEALTH: 2 FIRE: 0 REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: C
NFPA RATING: HEALTH: 2 FIRE: 0 REACTIVITY: 0 SPECIAL: NONE
STATE RIGHT-TO-KNOW INFORMATION:
WATER - CAS #7732-18-5
SODIUM METABISULFITE - CAS #7681-57-4
DIETHYLAMINO ETHANOL - CAS #100-37-8
MORPHOLINE - CAS #110-91-8
CYCLOHEXYLAMINE - CAS #108-91-8
CALIFORNIA PROPOSITION 65:
None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.