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MSDS ID: 02819

HI CYCLE 160

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: HI CYCLE 160

Product Discriptor: Cooling Water Treatment

JOHNSONDIVERSEY, INC. MANUFACTURER: EMERGENCY PHONE NUMBER: (800)851-7145

> 3630 E. KEMPER ROAD CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS				
Component Name	CAS Number	%	Exposure Limits	Units
SODIUM TOLYLTRIAZOLE	64665-57-2	>30%	Dust:10 (ACGIH) and 15 (OSHA)	mg/m3 mg/m3

#### III. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

CORROSIVE MATERIAL-Causes severe burns to skin and eyes. Harmful if swallowed. Do not contact eyes, skin or clothing. Avoid breathing any dust, spray mist or vapors in spill area. Wash thoroughly after handling product. Wear eye protection, clothing and footwear to prevent skin contact. POSSIBLE ROUTES OF ENTRY: Ingestion and Inhalation.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Burns or severe irritation with pain, redness and swelling.

SKIN: Severe irritation or burns with rash, redness, pain or itching. INGESTION: If swallowed, pain, nausea and vomiting may

result.

CHRONIC: Same as Acute Effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis and sensitive skin.

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

# IV. FIRST AID MEASURES

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

medical attention.

Promptly flush skin with plenty of water for at least 15 minutes SKIN:

while removing contaminated clothing and footware. Launder

contaminated clothing and discard or thoroughly clean shoes before

reuse. Get medical attention for painful, red or injured skin

areas.

If swallowed, rinse mouth with water. Dilute by drinking several INGESTION:

> glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth with water. Get prompt medical attention. NOTE:

Never give fluids by mouth to an unconcious person.

INHALATION: Remove to fresh air. If breathing difficulties arise, get medical

attention.

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V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F):>200 LEL:none UEL:NONE 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: Contain runoff. Prevent from entering sewer or storm drain.

#### VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:

Contain spilled product. Wear protective clothing. Soak up liquid with a commercial absorbant or sand. Sweep up or shovel into chemical waste container and dispose of in accordance with governmental regulations. Flush 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 from freezing. If frozen, warm to thaw and mix for use. 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: Face shield if contact or splash hazard exists. Eye wash in use area.

PROTECTIVE GLOVES: Chemical resistant.

RESPIRATORY PROTECTION: Not normally required.

OTHER PROTECTIVE CLOTHING/EQUIPMENT: Protective clothing to cover exposed skin if contact or splash hazard exists.

ENGINEERING CONTROLS:

MECHANICAL VENTILATION: Normal room ventilation should be sufficient to

control airborne levels.

LOCAL VENTILATION: Not usually required.

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, reddish brown liquid with mild organic odor.

BOILING POINT (DEG F): 212

VAPOR PRESSURE(mmHg): 0.04 at 20 C

pH: 13.2

VOLATILE BY VOLUME:

SOLUBILITY IN WATER: Miscible

SPECIFIC GRAVITY/BULK DENSITY: 1.19

FREEZING POINT:

VAPOR DENSITY: N/ApH 1% SOLUTION: 10.8 WEIGHT % SOLIDS: 50

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## X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids, strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon

and nitrogen.

HAZARDOUS POLYMERIZATION: None known.

#### XI. TOXICOLOGICAL INFORMATION

Contains Corrosive and Irritating alkaline chemicals. See Section II for amounts and identity. Acute toxicology tests are listed below. TOXICITY TEST DATA:

Sodium Tolyltriazole:

Acute Oral LD50 (rat) - 920 mg/kg (male) Acute Oral LD50 (rat) - 640 mg/kg (female)

### XII. ECOLOGICAL INFORMATION

ECOTOXICITY DATA: Product and waste are harmful to fish and aquatic forms. Discharge process waste and overflow to a sanitary sewer or on-site treatment process.

ECOTOXICITY TEST DATA: Sodium tolytriazole

96 Hr. LC50: Bluegill sunfish - 191.2 mg/L

Rainbow trout - 23.7 mg/L

ENVIRONMENTAL FATE: No data available.

# XIII. DISPOSAL CONSIDERATIONS

RCRA CLASS: Product would be considered D002 - corrosivity if declared

RCRA hazardous.

Discharge diluted product to industrial sewer. Use product in DISPOSAL:

container until empty. Triple rinse container with water and add

to process. Recycle or dispose of container by 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: Contains no hazardous air pollutants.

VOC CONTENT (PER 40 CFR PART 59): % VOC: ND Lb/Gal VOC:

CERCLA/EPCRA:

SECTION 313 TOXIC CHEMICALS: None

SARA SECTION 311/312:

ACUTE: YES CHRONIC: NO FIRE: NO REACTIVITY: NO

SUDDEN RELEASE OF PRESSURE: NO

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## XV. REGULATORY INFORMATION (Cont.)

LISTED CARCINOGEN: None

NTP: No IARC: No OSHA: No

HMIS RATING: HEALTH: 3 FIRE: 1 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: D

NFPA RATING: HEALTH: 3 FIRE: 1 REACTIVITY: 0 SPECIAL: Corrosive

STATE RIGHT-TO-KNOW INFORMATION:

Water - CAS #7732-18-5

Sodium Tolytriazole - CAS #64665-57-2

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 applicability of this information for their particular conditions of storage, handling, and use.