
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

ICS-423**MSDS ID: 04962**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ICS-423

Product Descriptor: Cleaner/Rust Inhibitor

MANUFACTURER: JOHNSON DIVERSEY, INC.
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800)851-7145

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
DIETHANOLAMINE	111-42-2	5 - 15%	TWA 2	MG/M3
TRIETHANOLAMINE	102-71-6	5 - 15%	TWA 5	MG/M3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION-Contains cleaning agents that may cause eye irritation. May be harmful if swallowed. Do not get in eyes or on clothing. Do not take internally. Clean up spill and any runoff to prevent environmental damage.

POSSIBLE ROUTES OF ENTRY: Ingestion, Skin and Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: MAY IRRITATE EYES AND SKIN. MISTS MAY CAUSE UPPER IRRITATION. MAY BE HARMFUL IF SWALLOWED.

CHRONIC: SAME AS ACUTE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SENSITIVE SKIN, EYES, IMPAIRED RESPIRATORY SYSTEM.

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 at least 15 minutes. Hold eyelids apart to completely flush all chemicals from entire eye surface. Get immediate medical attention.

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

INGESTION: If swallowed, drink several glasses of water. Do not induce vomiting. Consult a physician or poison control center. NOTE: Never give fluids by mouth to an unconscious 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): NONE FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: NONE UEL: N/A
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: CO2, DRY CHEMICALS
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:
Small spills - Absorb with neutral materials or mop up liquid. Large spills - Collect materials with neutral absorbent. Return to container. Dispose of in accordance with local, state, and federal regulations.
The Reportable Quantity (RQ) of Diethanolamine, CAS #111-42-2 IS 170 GALLONS OR 1,471 LBS.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: DO NOT PRESSURE CONTAINER TO EMPTY. KEEP CONTAINER CLOSED. IF FROZEN, THAW AND MIX TO MAKE USABLE. KEEP OUT OF THE REACH OF CHILDREN.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS/CHEMICAL RESISTANT GOGGLES
PROTECTIVE GLOVES: WATER RESISTANT
RESPIRATORY PROTECTION: Respirator protection required if PEL is exceeded. See Section II for information.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: CLOTHING TO PREVENT PROLONGED SKIN CONTACT.
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 liquid with mild amine odor.

BOILING POINT (DEG F): 215	FREEZING POINT: ND
SPECIFIC GRAVITY/BULK DENSITY: 1.04	
pH: 9.9	pH 1% SOLUTION: 8.2
VOLATILE BY VOLUME: 60	
SOLUBILITY IN WATER: Soluble	
VAPOR PRESSURE(mmHg): 17.5 at 20 C	VAPOR DENSITY: >AIR

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X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: OXIDES OF CARBON AND NITROGEN

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: NONE

XI. TOXICOLOGICAL INFORMATION

Any hazardous effects of the product mixture are based on information for each chemical part. See Section II for amounts of hazardous materials.

TOXICITY TEST DATA:

No data available.

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: No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.

Discharge diluted product to industrial sewer. Use product in 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 (EPA Method 24A): % VOC: 20.5 Lb/Gal VOC: 1.78

CERCLA/EPCRA:

Section 313 Toxic Chemicals: DIETHANOLAMINE - CAS #111-42-2 AT <10%.

SARA Section 311/312:

ACUTE: YES CHRONIC: NO 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:

STATE RIGHT-TO-KNOW INFORMATION:

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XV. REGULATORY INFORMATION (Cont.)

WATER - CAS #7732-18-5
TRIETHANOLAMINE - CAS #102-71-6
ETHOXYLATED ALCOHOL - CAS #68526-94-3Y
ALKYLAMINO CARBOXYLATE - CAS #71902-23-2
METHANOLAMINE - CAS #111-42-2
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 handling, and use.