
MATERIAL SAFETY DATA SHEET

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

MULTI-TERJ CR-2211**MSDS ID: N0468**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: MULTI-TERJ CR-2211

Product Descriptor: CLEANER/RUST PREVENTATIVE

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
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MONOETHANOLAMINE	141-43-5	5 - 15%	TWA 7.5 STEL 15	MG/M3

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING - Contains chemicals that cause irritation to eyes and skin. May be harmful if swallowed. Wear eye protection, clothing and rubber gloves to prevent prolonged skin contact. Wash after handling.

POSSIBLE ROUTES OF ENTRY: Inhalation and ingestion.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Irritation with pain, swelling and redness may develop.
SKIN: Causes skin irritation. **INGESTION:** If swallowed, gastric distress, diarrhea, nausea and vomiting may occur. **INHALATION:** Causes irritation of respiratory tract.

CHRONIC: Same as acute effects.

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

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

IV. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. Get medical attention.
SKIN: Flush skin with plenty of water and wash with mild soap. If irritation develops, get medical attention.
INGESTION: Do not take internally. If swallowed, drink several glasses of water. Do not induce vomiting. Contact a physician or Poison Control Center. **NOTE:** Never give fluids by mouth to an unconscious person.
INHALATION: Remove to fresh air and seek 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: N/E UEL: N/E
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water, 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 from freezing. If frozen, thaw and mix to make usable. Do not pressurize container to empty. Keep container closed when not in use.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Chemical goggles if contact or splash hazard exists.
PROTECTIVE GLOVES: Alkali resistant.
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: Eyewash and safety shower in area if contact or splash hazard exists.
ENGINEERING CONTROLS:
VENTILATION: Good general ventilation should be sufficient to control airborne levels.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, amber liquid.

BOILING POINT (DEG F): >200	FREEZING POINT: <50 F
SPECIFIC GRAVITY/BULK DENSITY: 1.063	
pH: 10.6	pH 1% SOLUTION: 10.3
VOLATILE BY VOLUME: 87	
SOLUBILITY IN WATER: Soluble	
VAPOR PRESSURE(mmHg): 17.5 at 20 C	VAPOR DENSITY: 17.3

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X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Acids

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon

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:

Monoethanolamine:

Acute Oral LD50 (rat) - 1-2 gm/kg

Acute Dermal LD50 (rabbit) - 1.0 gm/kg

Irritation, Eyes (rabbit) - corrosive (Draize 6.5-8.0/8.0)

Irritation, Skin (rabbit) - extremely irritating (Draize 80-110/110)

Triethanolamine:

Acute Oral LD50 (rat) >4000 mg/kg

Acute Dermal LD50 (rabbit) >2000 mg/kg

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

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: 13.8 Lb/Gal VOC: 1.22

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

TRIETHANOLAMINE IN THIS PRODUCT CONTAINS <1% DIETHANOLAMINE
AS AN IMPURITY, WHICH IS SARA REPORTABLE.

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XV. REGULATORY INFORMATION (Cont.)

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: B

NFPA RATING: HEALTH: 1 FIRE: 0 REACTIVITY: 0 SPECIAL: ALKALI

STATE RIGHT-TO-KNOW INFORMATION:

WATER - CAS# 7732-18-5

MONOETHANOLAMINE - CAS# 141-43-5

NEUTRALIZED CARBOXYLIC ACID BLEND - PROPRIETARY

TRIETHANOLAMINE - 102-71-6

ALKYLAMIDO CARBOXYLIC ACID - PROPRIETARY

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.