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**MATERIAL SAFETY DATA SHEET**

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

**WALUP-252****MSDS ID: 00769**

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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Product Name: WALUP-252

Product Descriptor: Cleaner/Hardness Control Additive

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

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**II. HAZARDOUS COMPONENTS**

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| Component Name  | CAS Number | %       | Exposure Limits | Units |
|-----------------|------------|---------|-----------------|-------|
| DIETHANOLAMINE  | 111-42-2   | 1 - 5%  | TWA 2           | MG/M3 |
| TRIETHANOLAMINE | 102-71-6   | 5 - 15% | TWA 5           | MG/M3 |

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**III. HAZARDS IDENTIFICATION**

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**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: EYES: Irritation with pain, swelling and redness may develop. SKIN: Irritation or dryness develop with long contact. INGESTION: If swallowed, diarrhea, nausea and vomiting may occur.

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.

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**IV. FIRST AID MEASURES**

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EYES: Immediately flush with plenty of water. Get 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**

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FLASH POINT (degrees F): N/A

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.

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V. FIRE FIGHTING MEASURES (Cont.)

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SPECIAL INSTRUCTIONS: Contain runoff. Prevent from entering sewer or storm drain.

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VI. ACCIDENTAL RELEASE MEASURES

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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.

The Reportable Quantity (RQ) of Diethanolamine, CAS #111-42-2 is 876 gallons or 8,618 lbs.

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VII. HANDLING AND STORAGE

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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.

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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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EYE/FACE PROTECTION: Safety glasses.

PROTECTIVE GLOVES: Chemical resistant.

RESPIRATORY PROTECTION: Not normally required.

OTHER PROTECTIVE CLOTHING/EQUIPMENT: Not normally required.

ENGINEERING CONTROLS:

MECHANICAL VENTILATION: Normal room ventilation should be sufficient to control airborne levels.

LOCAL VENTILATION: Not usually required.

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IX. PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE AND ODOR: Transparent yellow liquid with musty odor.

BOILING POINT (DEG F): 190

FREEZING POINT: ND

SPECIFIC GRAVITY/BULK DENSITY: 1.18

pH: 9.0

pH 1% SOLUTION: 9.95

VOLATILE BY VOLUME: 70

Weight % solids: 37

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): ND at

VAPOR DENSITY: ND

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X. STABILITY AND REACTIVITY

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CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing agents including chlorinated products.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon.

HAZARDOUS POLYMERIZATION: None known.

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XI. TOXICOLOGICAL INFORMATION

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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.

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XII. ECOLOGICAL INFORMATION

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ECOTOXICITY DATA: Contains biodegradable, synthetic detergents that may be toxic to aquatic forms. Discharge waste product only to sanitary sewer or on-site waste treatment.

ECOTOXICITY TEST DATA: No data available.

ENVIRONMENTAL FATE: No data available.

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XIII. DISPOSAL CONSIDERATIONS

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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.

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XIV. TRANSPORT INFORMATION

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

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XV. REGULATORY INFORMATION

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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: NONE 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

LISTED CARCINOGEN: NONE

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 1 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: B

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

STATE RIGHT-TO-KNOW INFORMATION:

TETRASODIUM ETHYLENEDIAMINETETRAACETATE - CAS #64-02-8

WATER - CAS #7732-18-5

TRIETHANOLAMINE - CAS #102-71-6

SURFACTANT - CAS #PROPRIETARY

DIETHANOLAMINE - CAS #111-42-2

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

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**XVI. OTHER INFORMATION**

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DISCLAIMER: The information contained in this 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 his particular conditions of storage, handling, and use.