
MATERIAL SAFETY DATA SHEET

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Revised 6/03/04
Replaces 2/02/04
Printed 6/04/04

SUMA SCALE**MSDS ID: 90006**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SUMA SCALE

Product Descriptor: DISHWASH DESCALER

MANUFACTURER: JOHNSON DIVERSEY, INC.
3240 BENCHMARK DRIVE
LADSON, SC 29456-3861EMERGENCY PHONE NUMBER: (800) 851-7145

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
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PHOSPHORIC ACID	7664-38-2	>30	1 MG/M3	
NITRIC ACID	7697-37-2	>5<15	5 MG/M3	

III. HAZARDS IDENTIFICATION

POSSIBLE ROUTES OF ENTRY: Ingestion, Skin and Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE: Corrosive to skin and eyes, mists are corrosive to skin, eyes and respiratory tract.

CHRONIC: Same as Acute Effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Sensitive skin

IV. FIRST AID MEASURES

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

SKIN: Flush skin with plenty of water. Remove and launder contaminated clothing before reuse. Get medical attention for irritation or injury.

INGESTION: Do not induce vomiting. Get medical attention. NOTE: Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air and seek medical attention.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): N/A

FLAME EXTENSION: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME:

LEL: NONE

UEL: NONE

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: None known.

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: None required.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED: Flush small amounts to drain. Collect and return large amounts to container.

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

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VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store at ambient room temperature. Avoid contact with heat or moisture.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Face shield or goggles.
PROTECTIVE GLOVES: Alkali resistant.
RESPIRATORY PROTECTION: Not normally required.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Wear chemical resistant apron when handling.
ENGINEERING CONTROLS:
MECHANICAL VENTILATION: None required.
LOCAL VENTILATION: Not usually required.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Light brown clear liquid; slight amine odor.
BOILING POINT (DEG F): 212 **FREEZING POINT:** N/A
SPECIFIC GRAVITY/BULK DENSITY: 1.225
pH: 2.0 **pH 1% SOLUTION:** N/A
VOLATILE BY VOLUME: N/A **WEIGHT % SOLIDS:** ND
SOLUBILITY IN WATER: Soluble
VAPOR PRESSURE(mmHg): N/A at N/A **VAPOR DENSITY:** N/A

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.
INCOMPATIBILITY WITH OTHER MATERIALS: Strong alkalis, reducing agent.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, phosphorus and nitrogen.
HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No data available.
TOXICITY TEST DATA:
No data available.

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA: No data available.
ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.
WASTE DISPOSAL METHOD: Use until less than 1 inch remains in container, empty container, triple rinse with water, add to operation. Remove or deface label before selling container or disposal. Dispose in a manner consistent with local, state, and federal regulations.

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XIV. TRANSPORT INFORMATION

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

XV. REGULATORY INFORMATION

TSCA: All ingredients in this product are on TSCA inventory.

CERCLA/EPCRA:

Section 313 Toxic Chemicals: None

LISTED CARCINOGEN: None

NTP: No IARC: No OSHA: No

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: C

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

STATE RIGHT-TO-KNOW INFORMATION:

PHOSPHORIC ACID - CAS #7664-38-2

NITRIC ACID - CAS #7697-37-2

NONIONIC SURFACTANT - CAS #68551-13-3

CORROSION INHIBITOR - PROPRIETARY

WATER - CAS #7732-18-5

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.