



DILAC Descaler (SUMA)

HMIS		NFPA	Personal protective equipment		
Health	3	3	  		
Fire Hazard	0	0			
Reactivity	0	0			

Version Number: 2

Preparation date: 2005-09-06

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: DILAC Descaler (SUMA)

MSDS #: MS0100391

Product code: MS0100391, 3762465

Recommended use: Warewashing product.

Manufacturer, importer, supplier:
 US Headquarters: JohnsonDiversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-0902
 Phone: 1-888-352-2249
 MSDS Internet Address: www.johnsondiversevy.com

Canadian Headquarters: JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1
 Phone: 1-800-668-3131

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Can react to release chlorine gas.

Principle routes of exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Skin contact: Corrosive. May cause permanent damage.

Eye contact: Corrosive. Causes permanent eye damage, including blindness.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion: Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid	7664-38-2	30 - 40%	1.25 g/kg (rat)	2740 mg/kg (rabbit)	25.5 mg/m ³ (rat)

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

Skin contact: Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhalation: If breathing is affected, remove to fresh air. Get medical attention immediately.

Ingestion: Immediately drink one cupful of water or milk. Then immediately contact a physician or Poison Center. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Aggravated Medical Conditions: None known.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.

Specific hazards: None known.

Unusual hazards: Corrosive material (See sections 8 and 10).

Specific methods: No special methods required

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Extinguishing media which must not be used for safety reasons: None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Put on appropriate personal protective equipment (see Section 8.).

Environmental precautions and clean-up methods:

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Remove and wash contaminated clothing and footwear before re-use. Avoid breathing vapors or mists. Use only with adequate ventilation. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Do not mix with any other product or chemical . FOR COMMERCIAL AND INDUSTRIAL USE ONLY

Storage:

Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

No special ventilation requirements. General room ventilation is adequate.

Personal Protective Equipment

Eye protection:

Chemical splash goggles.

Hand protection:

Chemical resistant gloves Includes rubber gloves

Skin and body protection:

If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory protection:

No special requirements under normal use conditions. If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure .

Hygiene measures:

Avoid contact with skin, eyes and clothing . Remove and wash contaminated clothing and footwear before re-use. Handle in accordance with good industrial hygiene and safety practice.

Ingredient	CAS #	ACGIH	OSHA	Mexico
Phosphoric acid	7664-38-2	3 mg/m ³ (STEL) 1 mg/m ³ (TWA)	1 mg/m ³	3 mg/m ³ (STEL) 1 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: Aqueous solution

Color: Red

Boiling point/range: Not determined

Odor: Odorless

Melting point/range: Not determined

Specific gravity: 10.222 lb/Gal

pH: 2.0

Dilution pH: No information available

Density: 1.225 g/ml

Bulk density: No information available

Decomposition temperature: Not determined

Vapor density: No information available

Autoignition temperature: No information available

Evaporation rate: No information available

Solubility: Soluble

Solubility in other solvents: No information available

VOC: 0.0% by wt.

Viscosity: No information available

Flash point: >200 (°F) >93.3 (°C)

Partition coefficient (n-octanol/water): No information available

10. STABILITY AND REACTIVITY

Stability:

The product is stable

Polymerization:

Hazardous polymerisation does not occur

Hazardous decomposition products:

None reasonably foreseeable

Materials to avoid:

Do not mix with chlorinated products . Strong bases.

Conditions to avoid:

Do not mix with any other product or chemical .

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Corrosive .

Component Information:

See Section 3

Chronic toxicity:

None known

Specific effects

Carcinogenic effects:

None known

Mutagenic effects:

None known

Reproductive toxicity: None known
Target organ effects: None known

12. ECOLOGICAL INFORMATION

Environmental Information: When used for its intended purpose this product should not cause adverse effects in the environment

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Undiluted product is regulated under environmental and transportation laws as a corrosive waste . Dispose of according to all federal, state and local applicable regulations .

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

Ingredient	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Water	7732-18-5	-	-	-	-	-	-
Phosphoric acid	7664-38-2	Listed	Listed	Listed	Listed	Listed	Listed

CERCLA / SARA

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Phosphoric acid	7664-38-2	30 - 40%	5000		

CAA HAP/CAA ODS/CWA Priority Pollutants: None

Canada

WHMIS hazard class: E Corrosive material .



16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

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