



Experimental SOUR

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

Version Number: 2

Preparation date: 2005-11-03

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Experimental SOUR

MSDS #: MS0100449

Product code: F-00650000.001

Recommended use: Industrial/Institutional. Laundry care.

Manufacturer, importer, supplier:
 US Headquarters: JohnsonDiversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-0902
 Phone: 1-888-352-2249
 MSDS Internet Address: www.johnsondiverse.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 TO EYES . CAUSES EYE BURNS . HARMFUL OR FATAL IF SWALLOWED. Can cause hypocalcemia resulting in possibly fatal, delayed ventricular fibrillation.

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

Eye contact: Severe eye irritation. Causes permanent eye damage, including blindness.

Skin contact: Moderately irritating to the skin. Burns or irritation resulting from skin contact may be delayed and not immediately apparent .

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

Ingestion: Corrosive. May cause burns to mouth, throat and stomach . If ingested or absorbed through the skin, oxalic acid can disrupt the body's electrolyte balance by binding calcium resulting in hypocalcemia which may disrupt normal heart and nervous system functions. Effects may appear immediately or be delayed as much as 4 hours after exposure. Intravenous calcium chloride or gluconate may be indicated to prevent hypocalcemia. Consultation with a poison control center is advised .

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Oxalic acid	6153-56-6	20 - 30%	Not available	Not available	Not available
Citric acid	77-92-9	70 - 80%	3 g/kg (rat)	Not available	Not available
Silica gel	112926-00-8	1 - 5%	Not available	Not available	Not available

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: Do not induce vomiting. Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects .

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire .

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: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling:
 Avoid contact with skin, eyes and clothing. Do not taste or swallow. Do not breathe dust. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. 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:
 Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection: Chemical splash goggles.
Hand protection: Chemical resistant 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. In case of insufficient ventilation wear suitable respiratory equipment.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Oxalic acid	6153-56-6	2 mg/m ³ (STEL) 1 mg/m ³ (TWA)	1 mg/m ³	2 mg/m ³ (STEL) 1 mg/m ³ (TWA)
Silica gel	112926-00-8	10 mg/m ³ (TWA) 3 mg/m ³ (TWA)	5 mg/m ³ Respirable fraction. 15 mg/m ³ Total dust.	10 mg/m ³ (TWA) 3 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid	Appearance: Powder
Color: White	Boiling point/range: Not determined
Odor: Odorless	Melting point/range: Not determined
Specific gravity: No information available	pH: No information available
Dilution pH: No information available.	Density: No information available.
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
Viscosity: No information available	Flash point: Not applicable
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.
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: Repeated exposure to skin may cause localized pain, discoloration and cyanosis of the fingers and nails and possible gangrene. Prolonged eye exposures may result in permanent eye damage. Chronic exposures by ingestion, skin absorption and inhalation is linked to kidney damage, secondary to the formation and deposition of insoluble calcium oxalate crystals in the kidneys .

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), Australia (AICS), China (IECSC).

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(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Oxalic acid	6153-56-6	Listed	Listed	Listed	Listed	Listed	-
Citric acid	77-92-9	-	-	-	-	-	-
Silica gel	112926-00-8	Listed	-	Listed	Listed	Listed	-

CERCLA / SARA

None

CAA HAP/CAA ODS/CWA Priority Pollutants: None

Canada

WHMIS hazard class: D2B Toxic materials .



Ingredient(s)	CAS #	NPRI
Silica gel	112926-00-8	Listed

16. OTHER INFORMATION

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

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