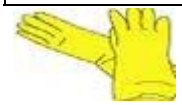
MATERIAL SAFETY DATA SHEET

JohnsonDiversey
Clean is just the beginning

CLAX

Reclaim Kit B - #4 Rust Remover

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

Version Number: 1 *Preparation date: 2005-05-13*

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Reclaim Kit B - #4 Rust Remover

MSDS #: F-00644001
Product code: 3475319
Recommended use: 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.johnsondiversey.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. POISON. CORROSIVE. HARMFUL OR FATAL IF SWALLOWED. MAY BE FATAL IF ABSORBED THROUGH SKIN. May be fatal if inhaled. Will cause hypocalcemia resulting in possibly fatal, delayed ventricular fibrillation. FIRST AID: Responders should put on appropriate personal protective equipment (goggles & gloves) to protect themselves before assisting victims.

Principle routes of exposure: Eyes. Skin. Inhalation. Ingestion. Skin Absorption.
Skin contact: Corrosive. May cause permanent damage. Burns or irritation resulting from skin contact may be delayed and not immediately apparent . Also very toxic in contact with skin.
Eye contact: Corrosive. Causes permanent eye damage, including blindness.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: Causes burns to mouth, throat and stomach. May be fatal if swallowed . 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	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Oxalic acid	6153-56-6	90 - 100%	Not available	Not available	Not available

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes for 15 minutes with flowing water. Take the victim to a physician as soon as possible. If possible, apply ice water compresses during transport.
Skin contact: Responders should put on appropriate personal protective equipment to protect themselves before assisting victims. Immediately remove all contaminated clothing. Immediately flush the affected area for five minutes with large amounts of water. While the victim is being rinsed with water, have someone call to arrange medical treatment. If the exposure is to the eyes face, groin, or covers a large area, call 911. For smaller exposure,(i.e. A few drops on the skin), call a physician or poison control center. Immediately after flushing with water start massaging 2.5% calcium glucagon gel into the burn site. Responders must wear gloves when applying the gel to prevent secondary HF burns to their hands. Apply the gel every 15 minutes and massage until pain/redness ceases or professional medical care is available .
Inhalation: If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Get medical attention immediately.

Ingestion: DO NOT induce vomiting. If able to swallow, offer sips of water or milk. GET MEDICAL ATTENTION IMMEDIATELY. Never give anything by mouth to an unconscious person.

Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptable to irritating effects

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.
Specific hazards: Thermal decomposition can lead to release of irritating gases and vapors.
Unusual hazards: Corrosive material (See sections 8 and 10).
Specific methods: No special methods required.
Autoignition temperature: No information available.

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: Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling:
Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Do not breathe dust. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. 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 .

Personal Protective Equipment

Eye protection: Goggles.
Hand protection: Chemical resistant gloves. Includes. rubber gloves.
Skin and body protection: Chemical resistant apron. If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
Hygiene measures: Avoid contact with skin, eyes and clothing . Keep away from food, drink and animal feeding stuffs . Handle in accordance with good industrial hygiene and safety practice .

Ingredient	CAS #	ACGIH	OSHA	Mexico
Oxalic acid	6153-56-6	2 mg/m^3 (STEL)	1 mg/m^3	1 mg/m^3 (TWA) 2 mg/m^3 (STEL)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Color: White
Odor: Odorless
Specific gravity: No information available
Dilution pH: 4.5 @ 0.1%
Bulk density: No information available
Vapor density: No information available
Evaporation rate: No information available
Solubility in other solvents: No information available
Viscosity: No information available
Partition coefficient (n-octanol/water): No information available

Appearance: Powder
Boiling point/range: Not determined
Melting point/range: Not determined
pH: No information available
Density: 1.653
Decomposition temperature: Not determined
Autoignition temperature: No information available
Solubility: Soluble
VOC: 0%

Flash point: Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.
Polymerization: Hazardous polymerisation does not occur.
Hazardous decomposition products: None reasonably foreseeable
Materials to avoid: Do not mix with chlorinated products . Ammonia.
Conditions to avoid: Do not mix with any other product or chemical . No special storage conditions required.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Corrosive , Oral, LD50 estimated to be between 50 - 400 mg/kg, Dermal, LD50 estimated to be > 2000 mg/kg.

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. Long term or chronic exposure to oxalic acid solutions or powder by ingestion, skin absorption and inhalation is linked to kidney damage secondary to the formation and deposition of insoluble calcium oxide 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: Must not reach sewage water or drainage ditch undiluted or unneutralized . 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), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), Philippines (PICCS), 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	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Oxalic acid	6153-56-6	Listed	Listed	Listed	Listed	Listed	-

CERCLA / SARA
None
CAA HAP/CAA ODS/CWA Priority Pollutants: None
Canada
WHMIS hazard class: D1B Toxic materials , E Corrosive material .

16. OTHER INFORMATION

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

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