

# MATERIAL SAFETY DATA SHEET



## Reclaim Kit A - #2 Break

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

Version Number: 1

Preparation date: 2005-02-08

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Reclaim Kit A - #2 Break  
**MSDS #:** F-00645001  
**Product code:** 3475301  
**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.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. CORROSIVE. CAUSES SEVERE EYE, SKIN AND DIGESTIVE TRACT BURNS. HARMFUL OR FATAL IF SWALLOWED. Do not mix with any other product or chemical.

**Principle routes of exposure:** Eyes; Skin. 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:** Causes burns to mouth, throat and stomach.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS COMPONENTS

Ingredient	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide	1310-73-2	40 - 50%	140 mg/kg (rat)	Not available	Not available
Sodium metasilicate	6834-92-0	30 - 40%	1153 mg/kg (rat)	Not available	Not available
Tetrasodium pyrophosphate	7722-88-5	10 - 20%	4 g/kg (rat)	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.  
**Notes to physician:** Treat symptomatically.  
**Aggravated Medical Conditions:** No information available.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** The product is not flammable. 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.

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. Use a water rinse for final clean-up.

## 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: Respiratory protection is not required if good ventilation is maintained.

### Personal Protective Equipment

Eye protection:	Goggles.
Hand protection:	Chemical resistant gloves.
Skin and body protection:	If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection:	Do not breathe dust or spray mist. In case of insufficient ventilation wear suitable respiratory equipment.
Hygiene measures:	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Ingredient	CAS #	ACGIH	OSHA	Mexico
Sodium hydroxide	1310-73-2	2 mg/m <sup>3</sup> (Ceiling)	2 mg/m <sup>3</sup> (CEILING)	2 mg/m <sup>3</sup> (Ceiling)
Tetrasodium pyrophosphate	7722-88-5	5 mg/m <sup>3</sup> (TWA)	5 mg/m <sup>3</sup> (TWA)	

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Appearance:	Solid
Color:	White	Boiling point/range:	Not determined
Odor:	Odorless	Melting point/range:	No information available
Specific gravity:	1.060	pH:	No information available
Dilution pH:	12.5 @ 1%	Density:	1.060
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:	>200 (°F) >93.3 (°C)
Partition coefficient (n-octanol/water):	No information available		

## 10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.  
Polymerization: Hazardous polymerisation does not occur.  
Hazardous decomposition products: None known.  
Materials to avoid: Acids.  
Conditions to avoid: Do not mix with any other product or chemical.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral, LD50 estimated to be between 200 - 2000 mg/kg, Dermal, LD50 estimated to be > 2000 mg/kg, Corrosive.  
Component Information: See Section 3  
Chronic toxicity: Not determined.  
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/NDL), Australia (AICS), Korea (ECL), China (IECSC), Philippines (PICCS), Europe (EINECS/ELINCS/NLP).

### 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:
Sodium hydroxide	1310-73-2	Listed	Listed	Listed	Listed	Listed	Listed
Water	7732-18-5	-	-	-	-	-	-
Sodium metasilicate	6834-92-0	-	-	-	-	-	-
Tetrasodium pyrophosphate	7722-88-5	Listed	Listed	Listed	Listed	-	-

### CERCLA / SARA

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium hydroxide	1310-73-2	40 - 50%	1000		

### 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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# MATERIAL SAFETY DATA SHEET



## Reclaim Kit A - #3 Stain Remover

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

Version Number: 1

Preparation date: 2005-02-08

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Reclaim Kit A - #3 Stain Remover

**MSDS #:** F-00653001

**Product code:** 3475301

**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); 1-851-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

DANGER. CORROSIVE. CAUSES SEVERE EYE, SKIN AND DIGESTIVE TRACT BURNS. HARMFUL OR FATAL IF SWALLOWED. OXIDIZER. NEVER USE OR MIX WITH ACIDS, AMMONIA OR ANY OTHER CHEMICAL.

**Principle routes of exposure:**

Eyes, Skin, 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
Lithium Hypochlorite	13840-33-0	30 - 40%	Not available	Not available	Not available
Lithium hydroxide	1310-65-2	1 - 5%	Not available	Not available	Not available
Potassium bisulfate	7646-93-7	5 - 10%	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.

**Inhalation:**

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

**Ingestion:**

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

**Notes to physician:**

Probable mucosal damage may contraindicate the use of gastric lavage.

**Aggravated Medical Conditions:**

Persons with pre-existing skin disorders may be more susceptible to irritating effects.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Dry chemical, water spray, foam, carbon dioxide.

**Specific hazards:**

Oxidizer. 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

**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. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Remove and wash contaminated clothing and footwear before re-use. 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:**  
General room ventilation is adequate. Respiratory protection is not required if good ventilation is maintained.

### Personal Protective Equipment

<b>Eye protection:</b>	Chemical splash goggles.
<b>Hand protection:</b>	Chemical resistant gloves.
<b>Skin and body protection:</b>	If major exposure is possible, wear suitable protective clothing and footwear.
<b>Respiratory protection:</b>	No special requirements under normal use conditions. In case of insufficient ventilation wear suitable respiratory equipment.
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid	<b>Appearance:</b>	Powder
<b>Color:</b>	White	<b>Boiling point/range:</b>	Not determined
<b>Odor:</b>	Chlorine	<b>Melting point/range:</b>	Not determined
<b>Specific gravity:</b>	No information available	<b>pH:</b>	No information available
<b>Dilution pH:</b>	11.0 @ 1%	<b>Density:</b>	0.950
<b>Bulk density:</b>	0.950	<b>Decomposition temperature:</b>	Not determined
<b>Vapor density:</b>	No information available	<b>Autoignition temperature:</b>	No information available
<b>Evaporation rate:</b>	No information available	<b>Solubility:</b>	No information available
<b>Solubility in other solvents:</b>	No information available	<b>VOC:</b>	0.0
<b>Viscosity:</b>	No information available	<b>Flash point:</b>	>200f (°F) >93.3 (°C)
<b>Partition coefficient (n-octanol/water):</b>	No information available		

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	The product is stable
<b>Polymerization:</b>	Hazardous polymerisation does not occur
<b>Hazardous decomposition products:</b>	Chlorine.
<b>Materials to avoid:</b>	Acids. Ammonia. Reacts with acids releasing chlorine.
<b>Conditions to avoid:</b>	Do not mix with any other product or chemical.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	Corrosive, Oral, LD50 estimated to be between 400 - 2000 mg/kg, Dermal, LD50 estimated to be > 2000 mg/kg.
<b>Component Information:</b>	See Section 3
<b>Chronic toxicity:</b>	None known
<b>Specific effects</b>	
<b>Carcinogenic effects:</b>	None known
<b>Mutagenic effects:</b>	None known
<b>Reproductive toxicity:</b>	None known
<b>Target organ effects:</b>	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/NDL).

### 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:
Potassium bisulfate	7646-93-7	-	-	-	-	-	-
Water	7732-18-5	-	-	-	-	-	-
Lithium Hypochlorite	13840-33-0	-	-	-	-	-	-
Sodium chloride	7647-14-5	-	-	-	-	-	-
Sodium sulfate	7757-82-6	Listed	-	Listed	-	-	-
Lithium carbonate	554-13-2	Listed	-	-	-	-	-

### CERCLA / SARA

Ingredient	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Lithium carbonate	554-13-2	1 - 5%			Listed.

### Canada

**WHMIS hazard class:** C Oxidizing materials , E Corrosive material .



Ingredient	CAS #	NPRI
Lithium carbonate	554-13-2	Listed

## 16. OTHER INFORMATION

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

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