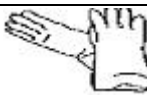


# MATERIAL SAFETY DATA SHEET



## 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<br>JohnsonDiversey, Inc.<br>8310 16th St.<br>Sturtevant, Wisconsin 53177-0902<br>Phone: 1-888-352-2249<br>MSDS Internet Address:<br>www.johnsondiversey.com | Canadian Headquarters<br>JohnsonDiversey - Canada, Inc.<br>2401 Bristol Circle<br>Oakville, Ontario L6H 6P1<br>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

|                                                 |                          |                                   |                          |
|-------------------------------------------------|--------------------------|-----------------------------------|--------------------------|
| <b>Physical State:</b>                          | Solid                    | <b>Appearance:</b>                | Solid                    |
| <b>Color:</b>                                   | White                    | <b>Boiling point/range:</b>       | Not determined           |
| <b>Odor:</b>                                    | Odorless                 | <b>Melting point/range:</b>       | No information available |
| <b>Specific gravity:</b>                        | 1.060                    | <b>pH:</b>                        | No information available |
| <b>Dilution pH:</b>                             | 12.5 @ 1%                | <b>Density:</b>                   | 1.060                    |
| <b>Bulk density:</b>                            | No information available | <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>                | Soluble                  |
| <b>Solubility in other solvents:</b>            | No information available | <b>VOC:</b>                       | 0.0%                     |
| <b>Viscosity:</b>                               | No information available | <b>Flash point:</b>               | >200 (°F) >93.3 (°C)     |
| <b>Partition coefficient (n-octanol/water):</b> | 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

|                               |            |
|-------------------------------|------------|
| <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/NDSL), 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

|                             |                |
|-----------------------------|----------------|
| <b>Reason for revision:</b> | Not applicable |
| <b>Prepared by:</b>         | NAPRAC         |
| <b>Additional advice:</b>   | 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                  | Canadian Headquarters          |
| JohnsonDiversey, Inc.            | JohnsonDiversey - Canada, Inc. |
| 8310 16th St.                    | 2401 Bristol Circle            |
| Sturtevant, Wisconsin 53177-0902 | Oakville, Ontario L6H 6P1      |
| Phone: 1-888-352-2249            | Phone: 1-800-668-3131          |
| MSDS Internet Address:           |                                |
| www.johnsondiversey.com          |                                |

**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. OXIDIZER . NEVER USE OR MIX WITH ACIDS, AMMONIA OR ANY OTHER CHEMICAL.

|                                      |                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------|
| <b>Principle routes of exposure:</b> | Eyes. Skin. Inhalation. Ingestion.                                                |
| <b>Skin contact:</b>                 | Corrosive. May cause permanent damage.                                            |
| <b>Eye contact:</b>                  | Corrosive. Causes permanent eye damage, including blindness.                      |
| <b>Inhalation:</b>                   | May cause irritation and corrosive effects to nose, throat and respiratory tract. |
| <b>Ingestion:</b>                    | 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

|                                       |                                                                                                                                                                  |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact:</b>                   | Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.                                      |
| <b>Skin contact:</b>                  | Flush immediately with plenty of water for at least 15 minutes. Get medical attention.                                                                           |
| <b>Inhalation:</b>                    | If breathing is affected, remove to fresh air. Get medical attention.                                                                                            |
| <b>Ingestion:</b>                     | 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. |
| <b>Notes to physician:</b>            | Probable mucosal damage may contraindicate the use of gastric lavage .                                                                                           |
| <b>Aggravated Medical Conditions:</b> | Persons with pre-existing skin disorders may be more susceptible to irritating effects                                                                           |

### 5. FIRE-FIGHTING MEASURES

|                                      |                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media:</b> | Dry chemical, water spray, foam, carbon dioxide.                                     |
| <b>Specific hazards:</b>             | Oxidizer . Thermal decomposition can lead to release of irritating gases and vapors. |
| <b>Unusual hazards:</b>              | Corrosive material (See sections 8 and 10).                                          |
| <b>Specific methods:</b>             | 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**

**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:** 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

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

## 11. TOXICOLOGICAL INFORMATION

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