



# SIL-A-FORCE

| HMIS        |   | NFPA | Personal protective equipment                                                                                                                                       |  |
|-------------|---|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Health      | 2 | 2    |   |  |
| Fire Hazard | 0 | 0    |                                                                                                                                                                     |  |
| Reactivity  | 0 | 0    |                                                                                                                                                                     |  |

Version Number: 1

Preparation date: 2004-09-27

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** SIL-A-FORCE

**MSDS #:** 03978\_HX

**Product code:** 03978472, 03978700, 11613200

**Recommended use:** Water conditioner.

**Manufacturer, importer, supplier:**  
JohnsonDiversey, Inc.  
3630 E. Kemper Rd.  
Cincinnati, OH 45241  
Phone: 1-800-438-2647

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

WARNING. CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION . May be irritating to nose, throat, and respiratory tract. Harmful if swallowed. Do not taste or swallow.

**Principle routes of exposure:** Eyes. Skin. Inhalation.

**Skin contact:** Moderately irritating to the skin.

**Eye contact:** Severe eye irritation.

**Inhalation:** May be irritating to nose, throat, and respiratory tract.

**Ingestion:** May be irritating to mouth, throat and stomach.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### HAZARDOUS COMPONENTS

| Ingredient      | CAS #     | Weight % | LD50 Oral        | LD50 Dermal         | LC50 Inhalation |
|-----------------|-----------|----------|------------------|---------------------|-----------------|
| Sodium silicate | 1344-09-8 | 30 - 40% | 1960 mg/kg (rat) | 4640 mg/kg (rabbit) | 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.

**Skin contact:** Flush immediately with plenty of water. If irritation persists, get medical attention.

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

**Ingestion:** Immediately drink one cupful of water or milk. Get medical attention.

**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:** Not applicable

**Unusual hazards:** None known

**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:**

**Environmental precautions  
and clean-up methods:**

Use personal protective equipment

Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. 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. 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. Protect from freezing . 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:**

Safety glasses with side-shields. Chemical goggles if contact or splash hazard exists .

**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.

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid  
**Color:** Colourless  
**Odor:** No information available  
**Specific gravity:** 1.385  
**Dilution pH:** No information available  
**Bulk density:** No information available  
**Vapor density:** No information available  
**Evaporation rate:** No information available  
**Solubility in other solvents:** No information available

**Appearance:** Aqueous solution  
**Boiling point/range:** Not determined  
**Melting point/range:** Not determined  
**pH:** 11.3  
**Density:** No information available  
**Decomposition temperature:** Not determined  
**Autoignition temperature:** No information available  
**Solubility:** No information available  
**VOC:** 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

**Materials to avoid:**

Incompatible with acids. Oxidising agents.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

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:**

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), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), Japan (ENCS), 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: |
|-----------------|-----------|--------|--------|--------|--------|--------|--------|
| Water           | 7732-18-5 | -      | -      | -      | -      | -      | -      |
| Sodium silicate | 1344-09-8 | -      | -      | -      | -      | -      | -      |

**CERCLA / SARA**

None

**CAA HAP/CAA ODS/CWA Priority Pollutants:** None

**SARA 311/312 Hazard Categories**

|                             |   |
|-----------------------------|---|
| Immediate:                  | Y |
| Delayed:                    | N |
| Fire:                       | N |
| Reactivity:                 | N |
| Sudden Release of Pressure: | N |

**Canada**

**WHMIS hazard class:** D2B Toxic materials .



### 16. OTHER INFORMATION

|                             |                |
|-----------------------------|----------------|
| <b>Reason for revision:</b> | Not applicable |
| <b>Prepared by:</b>         | NAPRAC         |
| <b>Additional advice:</b>   | None           |

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