# 1. Identification

1.1 Product Identifier: SoGo S.M.R.

1.2 Recommended Use of the Chemical and Restrictions on Use: Powder chlorine bleach for use on textiles.

For industrial/institutional use only. Do not use at home. Keep out of reach of children.

1.3 Details of the Supplier of the Safety Data Sheet:

A. L. Wilson Chemical Co., PO Box 207, Kearny, NJ 07032, USA

Telephone: 201-997-3300 E-mail: SDS@ALWilson.com

1.4 Emergency Telephone Number:

Chemtrec: 800-424-9300 or 703-527-3887

## 2. Hazards Identification

#### 2.1 Classification of the Substance or Mixture:

Oxidizer Solid – Category 3 Skin Corrosive – Category 1A

#### 2.2 Label Elements:

**Contains:** Lithium Hypochlorite [13840-33-0], Sodium Sulfate [7757-82-6], Sodium Tripolyphosphate [7758-29-4], Sodium Chloride [7647-14-5], Sodium Silicate [1344-09-8].

**Hazard Pictograms:** 



Signal Word: Danger

## **Hazard Statements:**

H272: May intensify fire; oxidizer.

H314: Causes severe skin burns and eye damage.

## **Precautionary Statements:**

# Prevention:

P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames or other ignition sources. No Smoking.

P220: Keep away from clothing and other combustible materials.

P260: Do not breathe dusts or mists.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

# Response:

P308+P313: If exposed or concerned: Get medical advice/attention.

P301+P310+P330+P331+P321: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

P303+P361+P353+P363: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370+P378: In case of fire: Use only water for extinction.

# Storage:

P232: Protect from moisture.

P233: Keep container tightly closed. P234: Keep only in original container.

Revision Date: 05/22/2015 (MM/DD/YYYY)

P420: Store away from other materials.

## **Disposal Considerations:**

P501: Dispose of contents/container to waste collection point and in accordance to applicable regulations.

#### 2.3 Other Hazards:

Ensure all equipment (including Personal Protective Equipment) is compatible with all product components. See section 8 for exposure limits.

# 3. Composition/Information on Ingredients

Name	CAS No.	Concentration
Lithium Hypochlorite	13840-33-0	15% ≤ C ≤ 25%
Sodium Sulfate	7757-82-6	25% ≤ C ≤ 30%
Sodium Tripolyphosphate	7758-29-4	20% ≤ C ≤ 25%
Sodium Chloride	7647-14-5	20% ≤ C ≤ 25%
Sodium Silicate	1344-09-8	1% ≤ C ≤ 5%

## 4. First Aid Measures

## 4.1 Description of Necessary First Aid Measures:

**General Information:** If exposed or concerned: Get medical advice/attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin Contact:** Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

## 4.2 Most Important Symptoms/Effects, both Acute and Delayed:

Eye Contact: Causes severe eye damage.

4.3 Indication of Immediate Medical Attention and Special Treatment Needed: See section 4.1.

## 5. Fire-fighting Measures

- 5.1 Suitable Extinguishing Media: Use only water for extinction.
- **5.2 Specific Hazards Arising from the Substance or Mixture:** Oxygen & chlorine gases may be released if heated to decomposition or contacted by strong acids.
- **5.3 Special Protective Action for Fire-fighters:** Use appropriate Personal Protective Equipment when fighting chemical fires. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

Additional Information: Use water spray to cool nearby containers exposed to fire.

# 6. Accidental Release Measures

- **6.1 Personal Precautions, Protective Equipment and Emergency Procedures:** Cordon off spill area. Wear protective gloves/protective clothing/eye protection/face protection. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components. Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
- **6.2 Environmental Precautions:** Avoid release to the environment. Dispose of contents/container to waste collection point and in accordance to applicable regulations.

Revision Date: 05/22/2015 (MM/DD/YYYY) Page 2 of 5

**6.3 Methods and Materials for Containment and Cleaning Up:** Recover as a dry material. Dispose to collection point and in accordance to applicable regulations.

## 7. Handling and Storage

**7.1 Precautions for Safe Handling:** Keep out of reach of children. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

# 7.2 Conditions for Safe Storage, Including any Incompatibles:

Storage Class: Oxidizers.

Protect from moisture. Keep container tightly closed. Store only in original container. Store away from other materials.

Packaging Material: Plastic bottle, plastic bag in a plastic pail, or plastic bag in a fiber drum.

Unsuitable Packaging Material: Not determined.

# 8. Exposure Controls / Personal Protection

## 8.1 Control Parameters:

**Exposure Limits Values** 

Name	Air Concentration USA ACGIH TLV (ppm)	Air Concentration USA OSHA TWA (mg/m³)
Lithium Hypochlorite	1	-
Sodium Tripolyphosphate	-	10

## 8.2 Exposure Controls:

Engineering Measures: Work in a well ventilated area or under a ventilation hood.

## 8.3 Individual Protection Measures, such as Personal Protective Equipment:

Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

Eye Protection: Wear closed safety glasses or chemical splash goggles.

Skin Protection: Wear protective clothing.

**Respiratory Protection:** None needed when used with adequate ventilation.

Hand Protection: Wear protective gloves. Gloves must be inspected prior to use. Replace if worn or damaged.

Do not reuse.

Hygiene Measures: Wash thoroughly after handling. Do not smoke, eat or drink in work area.

# 9. Physical and Chemical Properties

**Appearance:** White Powder. **Odor:** Chlorine Bleach Odor.

Odor Threshold: Not Determined.

**pH:** Not Applicable.

Melting Point/Freezing Point (°C): Not Applicable.

Initial Boiling Point/Boiling Point Range (°C): Not Applicable.

Flash Point (°C): Not Applicable.

Evaporation Rate: Not Applicable.

Flammability (solid, gas): Oxidizer.

Revision Date: 05/22/2015 (MM/DD/YYYY)

Upper/Lower Flammability or Explosive Limits: Not Applicable.

Vapor Pressure: Not Applicable. Vapor Density: Not Applicable.

Relative Density (Water =1): < 1 g/cm<sup>3</sup> at 20 °C.

**Solubility:** Soluble in Water.

Partition Coefficient: n-Octanol/Water: Not Applicable.

Auto-ignition Temperature: Not Applicable.

Viscosity: Not Applicable.

**Explosive Properties:** Not Applicable.

Oxidizing Properties: Oxidizer.

# 10. Stability and Reactivity

10.1 Reactivity: See sub sections below.

**10.2 Chemical Stability:** Stable if used according to specifications.

**10.3 Possibility of Hazardous Reactions:** Strong acids.

10.4 Conditions to Avoid: Avoid moisture and contact with combustible materials such as paper, wood.

10.5 Incompatible Materials: Strong oxidizing and reducing agents, acids, most organic compounds.

**10.6 Hazardous Decomposition Products:** Oxygen & chlorine gases may be released if heated to decomposition or contacted by strong acids.

# 11. Toxicological Information

**Acute Toxicity:** Data not available for mixture.

Skin Corrosion/Irritation: Causes severe skin burns.

Serious Eye Damage/Eye Irritation: Causes severe eye damage.

Respiratory or Skin Sensitization: No information available.

Germ Cell Mutagenicity: No information available.

Carcinogenicity: Not listed by NTP, IARC, OSHA, or ACGIH as a carcinogen.

Reproductive Toxicity: No information available.

**Specific Target Organ Toxicity – Single Exposure:** No information available.

Specific Target Organ Toxicity - Repeated Exposure: No information available.

Aspiration Hazard: No information available.

**Inhalation:** Can cause upper respiratory tract, nose and throat irritation.

Subchronic/Chronic Toxicity: Continuous inhalation exposure may cause lung damage.

## 12. Ecological Information

## 12.1 Ecotoxicity:

Aquatic Toxicity: Toxic to aquatic life.

**12.2 Persistence and Degradability:** Not applicable to inorganic substances.

**12.3 Bioaccumulative Potential:** Not expected to bio-accumulate.

**12.4 Mobility in Soil:** No information available.

Revision Date: 05/22/2015 (MM/DD/YYYY)

Page 4 of 5

- 12.5 Results of PBT and vPvB Assessment: This product does not contain PBT or vPvB substances.
- 12.6 Other Adverse Effects: No data available.

# 13. Disposal Considerations

## 13.1 Disposal Methods:

**Product (Any Residual Waste/Unused Product):** Dispose of any residual product waste or unused product to waste collection point and in accordance to applicable regulations. Avoid release to the environment.

**Packaging (Plastic):** After use, close empty container, and dispose of to waste collection point and in accordance to applicable regulations.

# 14. Transport Information

Domestic Ground Transport Only (no aircraft or vessel): Ltd Qty

**14.1 UN-Number:** UN1479

**14.2 UN Proper Shipping Name:** Oxidizing solid, N.O.S. (Lithium Hypochlorite mixture)

14.3 Transport hazard class(es): 5.1

14.4 Packing group: PG III

14.5 Environmental Hazard(s): Marine Pollutant: No14.6 Special Precaution to User: See section 7.

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable.

# 15. Regulatory Information

# 15.1 Safety Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

#### **U.S. Regulations:**

Inventory Status: All components are on TSCA.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) Hazard Categories: Acute health hazard, Reactive.

SARA 313: This product does not contain any SARA 313 Toxic Release Chemicals.

# 16. Further Information

## **Abbreviations and Acronyms:**

ACGIH = American Conference of Governmental Industrial Hygienists.

C = Concentration (weight percent).

DOT = Department of Transportation (United States).

IMDG = International Maritime Dangerous Goods Code.

IARC = International Agency for Research on Cancer.

OSHA = Occupational Safety & Health Administration.

PBT = Persistent, Bioaccumulative and Toxic Substances.

ppm = parts per million.

OELV = Occupational Exposure Limits Values.

TLV = Threshold Limit Values.

TSCA = Toxic Substance Control Act.

TWA = Time-Weighted Average.

vPvB = very Persistent and very Bioaccumulative Substances.

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Revision Date: 05/22/2015 (MM/DD/YYYY)