



## MATERIAL SAFETY DATA SHEET

### SECTION 1 - CHEMICAL / PRODUCT AND COMPANY IDENTIFICATION

**Finished Product Name :** Sulfonion 4D Power Powder Detergent

**Company Identification :** Lion Corporation (Thailand) Ltd.

602 Moo 11 Sukhapiban 8 Rd. Nongkham Sriracha , Chonburi 20280.  
Thailand.

**Transportation emergencies, contact :** 666-294-0191, 1800-229-494  
www.lion.co.th

**Date :** 11/06/2015

### SECTION 2 - COMPOSITION AND INGREDIENTS

The complete ingredient list for the finished product(s) is as follows :

Anionic Surfactant, Zeolite, Sodium Carbonate, Sodium Carboxymethylcellulose, Optical Brightener, Etc.

### SECTION 3 - HAZARDS IDENTIFICATION

**Potential Health Effects :**

**Eyes :** May cause irritation.

**Skin :** May cause irritation.

**Inhalation :** May cause irritation.

**Ingestion :** May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**SECTION 4 - FIRST AID MEASURES**

**Emergency and First Aid Procedure :**

- Eyes :** Flush immediately with water for at least 15 minutes. Seek medical advice if symptoms persist.
- Skin :** Wash affected area thoroughly with soap and water. Seek medical advice if irritation occurs.
- Inhalation :** Remove to fresh air. Seek medical advice if respiratory irritation occurs.
- Ingestion :** Rinse mouth with water. If irritation develops and persist seek medical attention.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash Point & Method :** None flammable.
- Extinguishing Media :** Use chemical foam, dry chemical, carbon dioxide or water.
- Explosion Hazard :** Not applicable information has been found.
- Fire Fighting Instructions :** Not required.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Procedures for Spill/Leak Clean-up:**

**Small Spill :**

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**Large Spill :**

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**SECTION 7 - HANDLING AND STORAGE**

**Precautions in handling:**

No special procedures required. Avoid contact with eyes.

**Storage conditions:**

Store in tightly closed original container, in a cool, dry and ventilated area away from heat sources and protected from light.

**Fire protection:**

Keep away from ignition sources and naked flames. Take precautions to avoid static discharges in working area.

**SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**For Household Settings:**  
 This product that is safe for consumers and other users under normal and reasonably foreseen use.

**For Non-Household Settings:**  
 Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing to prevent skin contact. Always follow good hygienic work practices. Avoid prolonged contact with skin and clothing.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance :</b>	White powder with blue and green speckle	<b>Melting Point :</b>	Not applicable.
<b>Physical State :</b>	Powder	<b>Boiling Point :</b>	Not applicable.
<b>pH (0.1% Soln.):</b>	10.5 max	<b>Solubility in Water :</b>	Mostly soluble
<b>Flashpoint :</b>	Not applicable.	<b>Specific Gravity:</b>	Not applicable.
<b>Vapor Density :</b>	Not applicable.	<b>Other Data:</b>	Not applicable.

**SECTION 10 - STABILITY AND REACTIVITY**

**Conditions to Avoid :** Extremes of temperature, high humidity and direct sunlight.

**Other Recommendations :** None.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Acute Toxicity :** No data available.

**Chronic toxicity :** No data available.

**SECTION 12 - ECOLOGICAL INFORMATION**

This material is unlikely to accumulate in the environment and environmental problems under normal use conditions.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Avoid disposing into drainage systems and into the environment. Dispose of product in little bin.

**SECTION 14 - TRANSPORT INFORMATION**

Finished packaged product transported by ground (DOT) : Non hazardous

Finished packaged product transported by vessel (IMDG) : Non hazardous

Finished packaged product transported by air (IATA) : Non hazardous

**SECTION 15 - ADDITIONAL REGULATORY INFORMATION**

All ingredients in this product are regulated by the TISI.

**SECTION 16 - OTHER INFORMATION**

This information is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.