

# Safety Data Sheet

## Product Identifier

**Manufacturer's Name:** CAPO INDUSTRIES LTD.  
**Street Address:** 1200 Corporate Drive  
**City:** Burlington, Ontario, CANADA  
**Postal Code:** L7L 5R6

**Emergency Telephone:** Canutec (613) 996-6666 (Collect)(Transport)

### SECTION 1. IDENTIFICATION

**Product Identifier** Alliance Soft Shock

**Other Means of Identification** Not available

**Recommended Use** Shock, Buffer, Clarifier and Stain & Scale Preventor.

**Restrictions on Use** Do not use product for anything outside of the above-specified uses.

**Initial Supplier Identifier** Capo Industries Ltd.

**Emergency Telephone Number** (905) 332-6626 (Non-Transport)

### SECTION 2. HAZARD IDENTIFICATION

**GHS Classification** Oxidizing solids, Category 2  
Acute Oral Toxicity, Category 4  
Skin Irritation, Category 2  
Eye Irritation/Damage, Category 2A  
Specific target organ toxicity (single exposure) - Category 3  
Reproductive Toxicity, Category 2  
Acute Aquatic Toxicity, Category 1  
Chronic Aquatic Toxicity, Category 1

#### Label Elements



**Signal Word:** Danger

**Hazard Statement(s):** H272 May intensify fire; oxidizer.

---

Alliance Soft Shock

H302 Harmful if swallowed.  
 H315 Causes skin irritation  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.  
 H361 Suspected of damaging fertility or the unborn child.  
 H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statement(s):**

P203 Obtain, read, and follow all safety instructions before use.  
 P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.  
 P220 Keep and store away from clothing and other combustible materials.  
 P261 Avoid breathing dust.  
 P264 Wash hands thoroughly after handling.  
 P270 Do not eat, drink, or smoke when using this product.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P317 IF SWALLOWED: Get medical help.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep 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.  
 P318 IF exposed or concerned, get medical advice.  
 P319 Get medical help if you feel unwell.  
 P321 Specific treatment (see first aid on this label).  
 P330 Rinse mouth.  
 P332+P317 If skin irritation occurs: Get medical help.  
 P337+P317 If eye irritation persists: Get medical help.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire: Use water spray (large quantities) to extinguish.  
 P391 Collect spillage.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents and container in accordance with local regulations.

**Other Hazards**

Contact with acids liberates toxic gas.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Concentration	Common name / Synonyms
Sodium Dichloroisocyanurate	2893-78-9	30 - 60%	Troclosene sodium
Sodium Tetraborate Pentahydrate	12179-04-3	10 - 30%	Borax Pentahydrate
Sodium Tripolyphosphate	7758-29-4	10 - 30%	Triphosphoric Acid, Pentasodium Salt

## SECTION 4. FIRST-AID MEASURES

### **Inhalation:**

Remove person to fresh air and keep comfortable for breathing. Do not use mouth to mouth resuscitation if person ingested or inhaled the product. If not breathing, give artificial respiration and get medical help.

### **Skin Contact:**

Wash skin with plenty of water for 15 minutes. Take off contaminated clothing and wash it before reuse. If skin irritation occurs get medical help.

### **Eye Contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical help.

### **Ingestion:**

Do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical help.

### **Most Important Symptoms/Effects (Acute and Delayed):**

Harmful if swallowed. Ingestion may cause gastrointestinal upset with irritation, nausea, and vomiting. Inhalation of dust may cause respiratory tract irritation with coughing. Causes skin irritation with redness and swelling. Causes serious eye irritation with redness and tearing.

### **Notes to Physician:**

Treat symptomatically and supportively.

## SECTION 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray (large quantities).

**Unsuitable Extinguishing Media:** DO NOT USE: Dry agent (carbon dioxide, dry chemical powder).

### **Specific hazards arising from the chemical:**

Non-combustible, but will support combustion of other materials. Oxidizing substance. Decomposes on heating emitting toxic fumes including those of chlorine, hydrogen chloride, oxides of boron, phosgene, sodium phosphorous oxide and sodium oxide.

### **Special protective equipment and precautions for fire-fighters:**

This product is a powerful oxidising agent and decomposes violently upon heating liberating oxygen. In case of fire, area must be evacuated, and specialist fire fighters called. Only large quantities of water should be used as an extinguishing agent. If excess water is not available, DO NOT attempt to extinguish the fire; use available water to prevent the spread of fire to adjacent property. Attending fire fighters should keep upwind if possible and wear full protective equipment including rubber boots and self-contained breathing apparatus. A fire in the vicinity of this product should be extinguished in the most practical manner but avoid contaminating this material with the fire fighting agent, including water. Decomposes on contact with water evolving toxic chlorine gas and in the presence of small amounts of water, the explosive gas nitrogen trichloride. Once fire is extinguished, wash area thoroughly with excess water. Ensure that drains are not blocked with solid material. Maintenance of excess water

during cleaning up operation is essential. Combustible material involved in the incident should be removed to a safe open area for controlled burning or for further drenching with water prior to collection for disposal.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### **Environmental Precautions and Emergency Procedures:**

Clear area of all unprotected personnel. Shut off all possible sources of ignition. Increase ventilation. Evacuate personnel to safe areas. Do not get in eyes, skin or on clothing. Avoid breathing dust. Wear appropriate personal protective equipment. Prevent material and runoff from entering sewers and waterways if it can be done safely. If contamination of sewers or waterways has occurred, advise local emergency services.

### **Personal Precautions and Protective Equipment**

Wear protective equipment to prevent skin and eye contact and breathing in vapours. Air-supplied masks are recommended to avoid inhalation of toxic material.

### **Methods for Containment and Cleaning Up**

DO NOT return spilled material to original container for re-use. Sweep up material and transfer to a large amount of water.

## SECTION 7. HANDLING AND STORAGE

### **Precautions for Safe Handling**

Avoid skin and eye contact and breathing in dust. Wear appropriate personal protective equipment. Use in a well-ventilated place. Take precautionary measures against static discharges. Wash hands thoroughly after handling.

### **Conditions for Safe Storage**

Store in a dry, cool, and well-ventilated place. Keep away from heat, sparks, open flames, and hot surfaces. Keep containers tightly closed. Store away from incompatible materials and foodstuff containers.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control Parameters**

#### **Exposure Limits**

**Sodium Dichloroisocyanurate:** No information available

**Sodium Tetraborate Pentahydrate:** NIOSH REL TWA – 1 mg/m<sup>3</sup>

OSHA P0 TWA – 10 mg/m<sup>3</sup>

**Sodium Tripolyphosphate:** No information available

### **Appropriate Engineering Controls**

Local exhaust ventilation. Avoid generating and breathing in dusts. Ensure eye wash and safety shower stations are close to work area.

### **Individual Protection Measures**

#### **Eye/Face Protection**

Wear safety glasses with side-shields. Wear chemical safety goggles with a face-shield to protect against eye

contact when appropriate.

#### **Skin Protection**

Wear protective clothing to minimize skin contact. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure, such as Tyvek®. Contaminated clothing should be removed and laundered before reuse. Wear appropriate chemical resistant gloves. (i.e., butyl rubber)

#### **Respiratory Protection**

A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. The added protection of a full face-piece respirator is required when visible dusty conditions are encountered, and eye irritation may occur. Acid gas cartridges with N95 filters are required when fumes or vapor may be generated.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	White powder
<b>Odour:</b>	Slight chlorine odor
<b>Odour Threshold:</b>	No data available
<b>pH:</b>	8.5 @ 25°C (1% solution)
<b>Melting Point and Freezing Point:</b>	No data available
<b>Initial Boiling Point and Boiling Range:</b>	No data available
<b>Flash point:</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable
<b>Flammability (solid, gas):</b>	Not flammable
<b>Upper and Lower Flammability or Explosive Limit:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Vapor Density (air=1):</b>	No data available
<b>Bulk Density:</b>	No data available
<b>Water Solubility:</b>	No data available
<b>Solubility in Other Liquids:</b>	No data available
<b>Partition Coefficient n-Octanol / Water (Log K<sub>ow</sub>):</b>	No data available
<b>Auto-ignition Temperature:</b>	No data available

---

Alliance Soft Shock

**Decomposition Temperature:** No data available

**Viscosity:** Not applicable

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity** Not reactive under normal temperatures and pressures.

**Chemical Stability** Stable under normal storage conditions.

**Possibility of Hazardous Reactions** No data available

**Conditions to Avoid** Avoid exposure to heat. Avoid exposure to direct sunlight.

### Incompatible Materials

Incompatible with combustible materials, ammonium salts, nitrogenous materials, acids, reducing agents, potassium, acid hydrides, and water.

### Hazardous Decomposition Products

Chlorine, nitrogen, nitrogen trichloride, cyanogen chloride, oxides of carbon, and phosgene

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation  Skin contact  Eye contact  Ingestion

### Acute Toxicity

**LC<sub>50</sub> (Inhalation):** ATE mix > 2 mg/l, Inhalation 4 hr (Rat)

**LD<sub>50</sub> (Oral):** ATE mix: 1860 mg/kg, Oral (Rat)

**LD<sub>50</sub> (Dermal):** ATE mix: > 2000 mg/kg

**Inhalation** Dusts may cause irritation to the respiratory tract.

**Ingestion** Ingestion may cause gastrointestinal upset with irritation, nausea, and vomiting

**Skin Corrosion / Irritation** Causes skin irritation with redness and swelling.

**Serious Eye Damage / Irritation** Eye contact causes serious eye irritation with redness and tearing.

**Aspiration Hazard** No data available

**Respiratory Sensitization** No data available

---

Alliance Soft Shock

**STOT (Specific Target Organ Toxicity) - Single Exposure** May cause respiratory irritation.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure** No data available

**Carcinogenicity** This product is not classified as a carcinogen by NTP, IARC or OSHA.

**Reproductive Toxicity**

**Sodium Dichloroisocyanurate:** No data available

**Sodium Tetraborate Pentahydrate:** Some evidence of adverse effects on sexual function and fertility, based on animal experiments. Presumed human reproductive toxicant.

**Sodium Tripolyphosphate:** No data available

**Germ Cell Mutagenicity** No data available

**Interactive Effects** No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

This material is harmful to aquatic life. This material is harmful to aquatic life with long lasting effects.

**Fish Toxicity:**

**Sodium Dichloroisocyanurate:** LC<sub>50</sub> Bluegill sunfish: 0.46 mg/l (96 hour)

**Sodium Tetraborate Pentahydrate:** LC<sub>50</sub> White sucker: 125 mg/l (96 hour)

**Sodium Tripolyphosphate:** No data available

**Invertebrate Toxicity:**

**Sodium Dichloroisocyanurate:** EC<sub>50</sub> Crustaceans: 0.17 mg/l (48 hour)

**Sodium Tetraborate Pentahydrate:** EC<sub>50</sub> Water flea: 133 mg/l (48 hour)

**Sodium Tripolyphosphate:** No data available

**Algae Toxicity:**

**Sodium Dichloroisocyanurate:** No data available

**Sodium Tetraborate Pentahydrate:** EC<sub>50</sub> Green algae: 40 mg/l (72 hour)

**Sodium Tripolyphosphate:** No data available

**Persistence and Degradability**

**Sodium Dichloroisocyanurate** is not believed to persist in the environment. Free available chlorine is rapidly consumed by reaction with organic and inorganic materials to produce chloride ion. The stable degradation products are chloride ion and cyanuric acid.

**Sodium Tetraborate Pentahydrate:** No data available.

**Sodium Tripolyphosphate:** No data available

**Bioaccumulative Potential** No data available

**Mobility in Soil** No data available

**Other Adverse Effects** No data available

---

Alliance Soft Shock

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal Methods** Dispose material in accordance with federal, provincial, and local regulations.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
TDG	1479	Oxidizing Solid N.O.S. (Dichloroisocyanuric Acid Dry)	5.1	II
US DOT	1479	Oxidizing Solid N.O.S. (Dichloroisocyanuric Acid Dry)	5.1	II
IMO/IMDG	1479	Oxidizing Solid N.O.S. (Dichloroisocyanuric Acid Dry)	5.1	II

**Special Precautions** Limited Quantity is 1kg and under.

**Environmental Hazards** Marine Pollutant

## SECTION 15. REGULATORY INFORMATION

### Safety, Health, and Environmental Regulations

#### Canada

**DSL** All components are listed on the Domestic Substances List (DSL).

#### USA

**TSCA** All components are on the Toxic Substances Control Act (TSCA) Inventory List.

**SARA 311/312** Immediate, Delayed health hazard.

## SECTION 16. OTHER INFORMATION

**Prepared By (Group, Department):** Quality Assurance

**Telephone:** (905) 332-6626

**Preparation Date:** February 20, 2017

**Date of Latest Revision:** May 2, 2022

**Additional Notes or References:**

While Capo Industries Ltd. believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which Capo Industries Ltd. assumes legal responsibility. They are offered solely for your consideration and verification. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, Provincial, and local laws and regulations.



