

## SAFETY DATA SHEET

Version 2.1  
Revision Date: 5-31-16

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**Product Name:** Xtractite  
**SKU#:** 8001  
**Product Use:** Sorbent pellets for removal of heavy metals, radionuclides and actinides

**Manufacturer:** XploSafe, LLC  
3514 N Park Drive  
Stillwater, Oklahoma 74075  
Office: 405-334-5720

### SECTION 2 — HAZARDS IDENTIFICATION

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Pictogram



Signal word

Danger

Toxic if swallowed. Irritating to eyes, respiratory system and skin. The toxicological properties of this material have not been fully investigated.

Hazard statement(s)

H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statement(s)

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P314 Get medical advice/ attention if you feel unwell.  
P501 Dispose of contents/ container to an approved waste disposal plant.

### SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

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<b>Composition</b>	<b>Content (wt.%)</b>	<b>CAS Number</b>
Proprietary	<20%	None issued
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	>80%	1344-28-1

Physical Appearance – White Extrudates/ Pellets, Odorless

#### **SECTION 4 — FIRST AID MEASURES**

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**Eye Contact:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin Contact:**

Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:**

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

**Inhalation:**

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

#### **SECTION 5 — FIRE FIGHTING MEASURES**

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**Flash Point:** N/E or N/A

**Flammable Limits:** Lower: N/A Upper: N/A

**Extinguishing Media:** Use suitable extinguishing media for surrounding materials and type of fire.

**Special Fire Fighting Procedures:** Firefighters must wear full face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

**Unusual Fire & Explosion Hazard:** None recorded.

#### **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Ventilate area of leak or spill. Wear appropriate personal protective equipment. Sweep up and containerize for reclamation or disposal.

#### **SECTION 7 — HANDLING AND STORAGE**

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Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Observe all warnings and precautions listed for the product.

## **SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION**

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**Engineering Controls:** Use only in well ventilated areas. Use local exhaust extraction.

**Hygiene measures:** Avoid contact with material. Wash hands thoroughly after handling. Do not reuse clothing if contaminated until thoroughly decontaminated.

**Respiratory protection:** Use either an atmosphere-supplying respirator or an air-purifying respirator for particulates.

**Eye protection:** Wear safety goggles or glasses to prevent eye contact.

**Hand protection:** Wear neoprene, nitrile, PVC or latex gloves to prevent contact.

**Body Protection:** When there is a possibility of exposure, wear a one piece coated overall with integral hood, safety boots, chemical-resistant without lace holes.

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

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**Appearance:** White pellets.

**Odor:** Odorless.

**% Volatiles by volume @ 21C (70F):** 0

**Vapor Density (Air=1):** No information found.

**Vapor Pressure (mm Hg):** No information found.

**Evaporation Rate (BuAc=1):** No information found.

## **SECTION 10 — STABILITY AND REACTIVITY**

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**Stability:** Stable under recommended storage conditions.

**Hazardous Decomposition Products:** Toxic metal oxide fumes may form when heated. No decomposition occurs if stored and handled in accordance with specifications.

## **SECTION 11 — TOXICOLOGICAL INFORMATION**

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<b>Ingredient</b>	<b>Known</b>	<b>Anticipated</b>	<b>IARC Category</b>
Aluminum Oxide (1344-28-1)	No	No	Not listed
Proprietary	No	No	Not listed

## SECTION 12 — ECOLOGICAL INFORMATION

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**Environmental Fate:** No information available.

### **Environmental Toxicity**

*Aluminum Oxide (1344-28-1)* LD50 Oral > 2000 mg/kg (rat)  
*Proprietary:* LD50 Oral - >5000 mg/kg (rat)

## SECTION 13 — DISPOSAL CONSIDERATIONS

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This product should be managed with an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## SECTION 14 — TRANSPORT INFORMATION

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Not regulated or transported as a hazardous material.

## SECTION 15 — REGULATORY INFORMATION

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### **Product related hazard information**

Observe the general safety regulations when handling chemicals.

### **Ingredient Aluminum Oxide (1344-28-1):**

Listed in the US Environmental Protection Agency Toxic Substance Control Act substance inventory.

Listed on the Canadian Domestic Substances list.

### **Ingredient Proprietary:**

Listed in the US Environmental Protection Agency Toxic Substance Control Act substance inventory.

Listed on the Canadian Domestic Substances List (DSL).

DSCL (EEC):

R26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

R36/37/38- Irritating to eyes, respiratory system and skin.

### **Protective Equipment:**

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

### **Information about limitation of use:**

For use only by technically qualified individual.

## **SECTION 16 — OTHER INFORMATION**

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NFPA Ratings – Health 1, Flammability 0, Reactivity 0

The above information is believed to be correct, but does not purport to be all-inclusive and shall only be used as a guide. XploSafe shall not be held liable for any damage resulting from handling or from contact with the above product.

### **Preparation Information**

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