

## SAFETY DATA SHEET

Version 2.2  
Revision Date: 12-14-15

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Product Name: XploSafe XploSens SP  
Product Use: Visual detection of strong oxidants  
SKU#: 1001

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

### SECTION 2 — HEALTH HAZARDS IDENTIFICATION

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Pictogram



Signal word           Warning

Hazard statement(s)

H319           Causes serious eye irritation.  
H335           May cause respiratory irritation.  
H351           Suspected of causing cancer.

Precautionary statement(s)

P201           Obtain special instructions before use.  
P202           Do not handle until all safety precautions have been read and understood.  
P261           Avoid breathing dust / fume / gas/ mist / vapors / spray.  
P264           Wash skin thoroughly after handling.  
P271           Use only outdoors or in a well-ventilated area.  
P280           Wear protective gloves / eye protection / face protection.  
P304 + P340   IF INHALED: Remove the 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.

P308 + P313 IF exposed or concerned: Get medical advice / attention.  
 P337 + P313 If eye irritation persists: Get medical advice / attention.  
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose the content / container using an approved waste disposal plant.

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant) or ingestion. Slightly hazardous in case of skin contact (irritant).

Typical TLV/TWA 100 mg/m<sup>3</sup> (estimated)  
 ORL-RAT LD50 1200 mg kg-1 (estimated)  
 SCU-MUS LD50 1000 mg kg-1 (estimated)

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical conditions.

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

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<i>Composition</i>	Percent	CAS Number
Water	60%	7631-86-9
Gluconic acid	20%	526-95-4
Proprietary ink	10%	None issued

Physical Appearance – Blue liquid. Odorless

**SECTION 4 — FIRST AID MEASURES**

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**Eye Contact:** Check and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

**Skin Contact:**

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and a non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation:** Not available.

**Ingestion:** Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such

signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**Serious Ingestion:** Not available.

## **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 depending on the surrounding materials and type of fire.

Special Fire Fighting Procedures: Firefighters must wear a 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 where the leak or spill occurred. Wear an appropriate personal protective equipment. Wipe up with an absorbent towel 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 and chemically resistant safety boots without lace holes.

### **Occupational Exposure Limits:**

OSHA PEL: Not available    ACGIH TLV: Not available

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

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Appearance – Blue Liquid.

Odor - Odorless.

% Volatiles by volume @ 21C (70F) – 60

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 the ordinary conditions of use and storage.

Hazardous Decomposition Products - Toxic metal fumes may form when heated to decomposition.

## **SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute toxicity: No data available

Inhalation: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

## **SECTION 12 — ECOLOGICAL INFORMATION**

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**Eco toxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:** Not available.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

## **SECTION 13 — DISPOSAL CONSIDERATIONS**

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This product should be managed using 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 the container and unused content in accordance with the federal, state and local requirements.

## **SECTION 14 — TRANSPORT INFORMATION**

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Material is not hazardous for transportation.

## **SECTION 15 — REGULATORY INFORMATION**

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Material not currently regulated.

## **SECTION 16 — OTHER INFORMATION**

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**NFPA Ratings:** Health 2, Flammability 0, Reactivity 0

**Precautions:** Do not inhale dust. Prevent contact with skin and other organs by wearing protective gear.

**Disclaimer:** This product is intended for use as described by XploSafe. Any use of the product not in conformance with this Material Safety Data Sheet or with any other product or process not intended by XploSafe is the responsibility of the user.

**Warranty:** 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:** Evgueni Kadossov, Ph.D.