

SAFETY DATA SHEET

SECTION 1 --- IDENTIFICATION

Product Name: Laboratory Proficiency Sample Sulfur
Common Synonyms: Sulfur Proficiency
Part numbers: LPS-SU
Product Use: Laboratory Proficiency sample, Laboratory Reagent
Restrictions: Not for human consumption. Intended for laboratory use only.

Manufacturer/Supplier:

Bion Analytical
P.O. Box 85252
Sioux Falls, SD 57118
TEL: (605) 838-6679

In Case of EMERGENCY Call INFOTRAC: (800) 535-5053

SECTION 2 --- HAZARD IDENTIFICATION

Signal Word: Danger

Hazard Statements: Highly flammable liquid and vapor.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause drowsiness or dizziness.
Very toxic to aquatic life with long lasting effects.



Precautionary Statements: Keep away from heat/sparks/open flames/hot surfaces- No smoking.
Keep container tightly closed.
Avoid breathing vapors.
Wear protective gloves/clothing/eye and face protection.
Store in a dry, well-ventilated area, keep cool.
Use in well-ventilated area.
Avoid release to environment.
Wash thoroughly after use.
Dispose contents according to state and federal regulations.

SECTION 3 --- COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No./EC No.</u>	<u>Concentration %</u>
Isooctane	540-84-1/208-759-1	>99.9% (w/v)
Sulfur	7440-50-8	<0.1%

SECTION 4 --- FIRST AID MEASURES

Emergency and First Aid Procedures

INGESTION: Rinse mouth with water. Do not induce vomiting. Seek immediate medical advice.
INHALATION: Supply fresh air. If required provide artificial respiration. Seek immediate medical advice.
SKIN CONTACT: Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.
EYE CONTACT: Rinse opened eye for at least 15 minutes under running water. Seek immediate medical advice.

SECTION 5 --- FIRE-FIGHTING MEASURES

Fire Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

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Toxic Gases Produced: Carbon monoxide and carbon dioxide.

Protective equipment: Wear self-contained breathing apparatus. Wear fully protective impervious suit.

SECTION 6 --- ACCIDENTAL RELEASE MEASURES

Steps to be Taken in the Event of a Spill or Discharge

Use PPE, avoid breathing vapors. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not let enter drains. Dispose of according to local and federal regulations. Ensure adequate ventilation. Keep away from ignition sources.

SECTION 7 --- HANDLING AND STORAGE

Storage Requirements

Avoid eye and skin contact. Avoid inhalation of vapors. Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces. No smoking permitted in work area. Store in a dry, well-ventilated area, keep cool. Wash thoroughly after use.

SECTION 8 --- EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL (isooctane): Respiratory tract irritation	TWA 300 ppm
Eye/Face Protection:	Safety glasses and face shield
Protective Clothing:	Coat & Apron
Protective Gloves:	Chemical resistant gloves
Ventilation Requirements:	Vent hood
Breathing equipment:	Use suitable respirator when high concentrations are present or as a backup to engineering controls.

SECTION 9 --- PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance & Odor:	N/A
Boiling Point:	Not determined
Melting Point:	Not determined
Specific Gravity:	~0.692 g/ml
Vapor Pressure (mmHg):	N/A
Vapor Density (air=1):	N/A
Evaporation Rate:	N/A
Flash Point (Closed Cup):	~ -12 °C
Auto ignition Temperature:	not determined
Flammable Limits:	Upper - not determined Lower - not determined

SECTION 10 --- STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Conditions to Avoid:	Heat, flames and sparks, direct sunlight
Incompatibles:	Oxidizing agents
Decomposition Products:	Carbon monoxide and Carbon dioxide

SECTION 11 --- TOXICOLOGICAL INFORMATION

Toxicity of components

LD₅₀ Oral, Rat: (Isooctane) >5,000 mg/kg; LD₅₀, Inhalation, Rat: (Isooctane) 33.52 mg/L in 4 hours.

Isooctane: RTECS# SA3320000

May cause drowsiness or dizziness.
Known to cause human aspiration toxicity hazards. Liver irregularities.

Not all chemical, physical and toxicological properties have been thoroughly investigated.

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SECTION 12 --- ECOLOGICAL INFORMATION

No ecological toxicity information available for this product. Very toxic to aquatic life with long lasting effects.

SECTION 13 --- DISPOSAL CONSIDERATIONS

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations. Do not allow to get into drains or waste. Contact a licensed professional waste disposal company to dispose of this material. Incineration with afterburner and scrubber.

SECTION 14 --- TRANSPORT INFORMATION

If shipping over exempt quantities.

Domestic (D.O.T.)

Proper Shipping Name: Octanes

UN #: UN1262

Packing Group: II

SECTION 15 --- REGULATORY INFORMATION

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth or any other reproductive defects.

SECTION 16 --- OTHER INFORMATION

Revision Date: 5/18/2015

N/A =Not Applicable or Not Available

N/E = Not Established

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated there under (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

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