

01 Chemical Product and Company Identification

Product Name Osmium
Product Use Hand Sanitizer
Product Code 3857
For Medical Emergency Call 'Chemtrec' 1-800-424-9300
Supplier's Information Santec Inc.
 1420 East Linden Avenue, Linden NJ 07036

02 Hazards Identification

GHS Classification: Eyes - Category 2 **GHS Label Element:**

Signal Word: Danger
Hazard Statement: For external use only. Keep away from heat, sparks, flames. Keep out of reach of children.
Precautionary Statements: Wear eye protection.



Acute Effects

Eyes: May cause eye irritation. May cause redness or swelling.
Skin: No known acute effects resulting from skin contact.
Inhalation: Symptoms persists from adnormal entry route.
Ingestion: May be irritating to the mouth, throat and gastrointestinal system. Symptoms may include nausea, vomiting, diarrhea and cramps.

Chronic Effects

Carcinogenicity: No known critical effets or citical hazards.
Product /Ingredient Name: Not available.

03 Composition/ Information on Ingredients

Name of Hazardous Ingredients	CAS No.	WT.%
Ethyl Alcohol	64-17-5	58-62
Isopropanol	67-63-0	0-3

04 First Aid Measures

Eye Contact: Check for and remove any contact lenses. Flush with large quantities of water, holding eyelids open for 15 minutes. Seek medical attention if symptoms persist.
Skin Contact: In case of allergic reaction, contac physician.
Inhalation: Move to fresh air.
Ingestion: Do not induce vomiting. Drink copius amounts of water. Seek medical attention immediately.

05 Fire Fighting Measures

Suitable Fire Extinguishing Media: Use water spray, fog or foam, dry chemical or CO₂
Specific Hazards Arising from the Chemical: In a fire or if heated, a pressure increase will occur and the container may burst, with risk of subsequent explosion.
Hazardous Thermal Decomposition Products: No Specific Data
Specific Fire-Fighting Methods: None known.
Specific Protective Equipment for Fire-Fighters: Fire fighters should wear appropriate protective equipment for a flammable material.
Unusal Fire and Explosion Hazards: Product is flammable due to alcohol content.

06 Accidental Release Measures

Spill Clean Up: Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move Containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

07 Handling and Storage

Handling: Keep away from sources of ignition. No smoking. Keep away from children. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container.

Storage: Store between the following temperatures: 4.44 to 48.9°C (40 to 120°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

08 Exposure Controls/ Personal Protection

Ingredient Name

Ethyl Alcohol
Isopropanol

Exposure Limits

OSHA PEL 1000 ppm
OSHA PEL 400 ppm

Personal Protective Equipment (PPE)

Eyes: No special precautions necessary if used as intended.

Skin: None.

Body: No protective clothing is required under normal conditions of use.

Respiratory: Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

09 Physical and Chemical Properties

Physical State	Clear liquid
Color	Water White
Odor	Alcohol with Cranberry Ice
pH	7.0-8.0
Flash point	75.2°F
Explosion limits	Not available
Flammability (solid, gas)	Not available
Melting point	Not available
Boiling point	Not available
Evaporation rate (butyl acetate = 1)	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.88
Solubility	Easily soluble in the following materials: cold water and hot water
Partition coefficient n-octano/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Odor threshold	Not available
Viscosity	Kinematic (room temperature): <10 cSt (CPS)

10 Stability and Reactivity

Stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Keep away from fire or flame. Avoid ignition sources.

Materials to avoid: Strong oxidizers, excessive heat, sparks or open flame.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition should not be produced. When decomposed under heat, carbon oxides are produced.

11 Toxicological Information

Product /Ingredient Name	Result	Species	Dose
Ethyl Alcohol	LD50 Oral	Rat	3632 mg/kg
Isopropanol	LD50 Oral	Rat	5045 mg/kg

12 Ecological Information

N/A

13 Disposal Considerations

Waste Information
 Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

14 Transport Information

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	1993	Flammable liquid, n.o.s. (ethanol) or consumer commodity or limited quantity	3	III	

Note: DOT classification applies to most package sizes. For specific container size classifications or size exceptions, refer to the bill of lading with your shipment.
PG*: Packing Group

15 Regulatory Information

U.S. Federal Regulations
TSCA 8(b) inventory: All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No listed substance
SARA 302/304 emergency planning and notification: No listed substance

SARA 313	Product name	CAS number	Concentration
Form R-Reporting requirements	No listed substance		

16 Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein.
 Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*Hazard Determination System (HDS):

Health	2
Reactivity	0
Flammability	3

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*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.