

# MATERIAL SAFETY DATA SHEET

## Section 1: IDENTIFICATION

### ORYGIS ALCOHOL SANITIZING GEL

**Recommended Use:** Antibacterial Hand rub.

**Manufacturer :** EASTERNTECH LABORATORIES

111/1 MOO 7, KANCHANAPISEK RD., TUMBON LAMPHO, AMPHUR  
BANGBUATHONG, NONTHABURI 11110, THAILAND

## Section 2: HAZARDS

GHS Classification

Flammable liquid (Category 2)

Signal Word **DANGER**

Hazard Statements

H225	Highly flammable liquid and vapour
------	------------------------------------

Precautionary Statements

P210	Keep away from open flames. No smoking
P233	Keep container tightly closed.

Response Statements

P370 + P378	In case of fire: Use water for extinction.
----------------	--

Storage Statements

P403 + P235	Store in a well-ventilated place. Keep cool.
----------------	--

Disposal Statements

P501	Dispose of container in accordance with local regulations.
------	--

HSNO Classifications

3.1C	Flammable liquid - high hazard
------	--------------------------------

### Section 3: COMPOSITION INFORMATION

Ingredient	CAS	No Proportion
Ethanol	64-17-5	75% v/v
Ingredients deemed not to be hazardous	Not applicable	To 100%

### Section 4: FIRST AID

<b>Eye (Contact)</b>	Hold eyelids apart and flush the eye continuously with running water.
<b>Skin (Contact)</b>	Not normally required.
<b>Inhalation(Breathing)</b>	Remove to fresh air.
<b>Ingestion (Swallowing)</b>	DO NOT induce vomiting. Give water to drink if conscious. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
<b>Advice to Doctor</b>	Treat symptomatically as for excessive exposure to alcohol.
<b>First Aid Facilities</b>	Ensure an eye wash and safety shower is available and ready for use.
<b>Additional Information</b>	No aggravated medical conditions are known to be caused by exposure to this product.

### Section 5: FIREFIGHTING MEASURE

<b>Suitable Extinguishing Media</b>	Use water fog (or if unavailable fine water spray), dry chemical, carbon dioxide or alcohol stable foam.
<b>Hazards From Combustion Products</b>	Carbon dioxide and carbon monoxide may be produced in the case of fire or during thermal decomposition.
<b>Precautions For Fire Fighters and Special Protective Equipment</b>	Firefighters should wear self-contained breathing apparatus (SCBA) and complete protective clothing. Vapours are heavier than air and will 'travel' to low-level areas and/or spread fires. Remove containers from path of fire if safe to do so. Water may be used to cool exposed containers. Burns with a colourless flame
<b>Additional Information</b>	<b>Hazchem Code</b> – 3[Y]E

### Section 6: ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedure</b>	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide - 14. Eliminate all sources of ignition. Ventilate area thoroughly and wear a suitable respirator if necessary to minimise inhalation. Wear suitable personal protective equipment such as protective gloves to prevent skin contact.
----------------------------	--

## Spills / Clean up

Eliminate all sources of ignition. Ventilate area thoroughly and wear a suitable respirator to minimize inhalation. Clean up personnel should wear full protective clothing. Stop leak if safe to do so. Prevent spill entering waterways.

For larger spills (greater than 1L) – contain spill by placing inert, noncombustible absorbent material such as toweling, vermiculite, sand or dirt onto spill.

For small spills (less than 1L) – can be wiped up using clean rags. Collect material using non-sparking tools and place into a suitable container for disposal according to local regulations. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

## Section 7: HANDLING AND STORAGE

### Precautions for Safe Handling

Contact Elab sales representative for advice when using this product for any application other than that outlined on the label or technical bulletin.

Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment.

Store product in original container.

### Conditions for Safe Storage

Store in a cool, dry, well ventilated area away from incompatible materials and sources of ignition. Keep container tightly sealed. Store below 30°C out of direct sunlight.

## Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**National Exposure Standards** – Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
Ethanol	64-17-5	1000ppm	-

### Biological Limit Values

No data available.

### Engineering Controls

Not normally required..

### Personal Protective Equipment

Eye/face protection – Not required under normal circumstances. Should a splash risk exist then safety glasses / face shield / chemical resistant goggles can be worn to prevent eye contact. Skin protection – Not required under normal circumstances. If necessary, nitrile gloves

should be used to prevent skin contact.  
Respiratory protection – Respirator is not usually necessary but if required use a half face filter respirator suitable for organic vapours.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Thick, Blue, clear gel	<b>Odour</b>	Ethanol
<b>Odour Threshold</b>	No data available	<b>pH</b>	Approx. 7.00
<b>Freezing Point</b>	Approx. 0 <sup>o</sup> C	<b>Initial Boiling Point</b>	No data available
<b>Boiling Range</b>	No data available	<b>Flash point</b>	23.5°C
<b>Evaporation Rate</b>	No data available	<b>Flammability</b>	No data available
<b>Upper flammability limit</b>	19%	<b>Lower flammability Limit</b>	3%
<b>Vapour Pressure</b>	No data available	<b>Vapour Density</b>	No data available
<b>Relative Density</b>	0.900	<b>Solubility</b>	Soluble in water
<b>Partition Coefficient: n-octanol/water</b>	No data available	<b>Autoignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available	<b>Viscosity</b>	Approx. 25,000- 30,000 cPs

### Section 10: STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Product is stable and will not undergo any hazardous reactions under normal conditions of use and storage.
<b>Conditions to avoid</b>	Avoid heat, sparks and high temperatures (store below 30°C). Do NOT store in direct sunlight.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	None known.

**Hazardous reactions**      None known.

### Section 11: TOXICOLOGICAL INFORMATION

**Acute toxicity**      May cause headache or dizziness. Methanol is used in this product  
As a denaturant which may cause optical nerve damage if ingested.

**Skin corrosion/ irritation** No data available.

**Serious eye  
damage/ irritation**      May cause transient irritation on eye contact.

**Respiratory or  
skin sensitization**      Product contains macadamia oil, which may cause an allergic  
reaction in some individuals.

**Germ Cell Mutagenicity**      No data available.

**Carcinogenicity**      No components of this product present at levels greater than  
or Equal to 0.1% is identified as probable, possible or  
confirmed Human carcinogen by IARC.

**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.

### Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity**      No data available.

**Persistence and  
degradability**      No data available.

**Bioaccumulative  
potential**      No data available.

**Mobility in soil** No data available.

**Other adverse effects** No data available.

### Section 13: DISPOSAL CONSIDERATIONS

**Disposal method** Disposal to sewer is normally recommended with copious amounts of water.  
Refer to State/Territory Land Waste Management Authorities if applicable. Containers are recyclable and can be disposed of by a licensed waste contractor. Containers can be disposed of to general waste or rinsed thoroughly and recycled.

**Special precautions** Suitable for incineration by approved agent.

### Section 14: TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

<b>UN Number</b>	1993
<b>UN Proper Shipping Name</b>	FLAMMABLE
<b>Class and subsidiary risk</b>	LIQUID, N.O.S.
<b>Packing Group</b>	3 – Flammable.
<b>Special precautions for user</b>	II
<b>Hazchem Code</b>	Not applicable.
	3[Y]E

### Section 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): Not applicable.

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS). HSNO Approval Code: HSR002528

This document has been produced in accordance with the requirements of the Globally Harmonised System of Classification and Labelling.

### Section 16: OTHER INFORMATION

**Date of preparation:** 20<sup>th</sup> March 2020