US Safety Data Sheet

Issued: August 28, 2023

1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY

Product Name:	Oil Spill Eater II, OSE II
Product Code, GHS code: (Export Code)	3821.00.0000
Product Type:	Hydrocarbon Bioremediation Product
Supplier:	Oil Spill Eater International Corporation P.O.
Address:	Box 515429 Dallas, Texas 75251 USA
Contact Numbers:	(972) 669-3390
Telephone:	(469)241-0896
Fax:	oseicorp@msn.com
E-mail:	(972) 669-3390
Emergency Telephone Number:	24 hours a day 7 days a week
Emergency Covers:	

2. HAZARDOUS IDENTIFICATION

A. OSE II is not GHS controlled, does not contain hazardous or regulated ingredients

B. OSE II is not REACH registered, OSE II does not contain any hazardous or regulated ingredients

Human Health Hazards:	None. Potentially toxic if more than 1 liter ingested.
Safety Hazards:	Will not burn. Is, in fact, a fire retardant.
Environmental Hazards:	None. Protects environment; 100% biodegradable; no known allergens.

3. COMPOSITIONIINFORMATION ON INGREDIENTS

Preparation Description: A hydrocarbon bioremediation product containing all natural nonhazardous ingredients. Contains:

Ingredient		CAS Number
1) Water	80-90%	7732-18-5
2) Nitrogen (Urea)	0.01-0.09%	57-13-6
3) Molasses	1-2%	None
4) Bio Surfactant	0.06-0.08%	64366-70-7
5) Sugar	1.5%-2%	50-99-7
6) Protease	0.01-0.03%	9014-01-1
7) Amylase	0.01-0.03%	9000/90/2
8) Malt	1-2%	8029-43-4

4. FIRST AID MEASURES

Symptoms and Effects: Prolonged exposure would have minimal effect, if any at all.

First Aid - Inhalation: Inhalation of vapors from this product pose no acute or chronic hazard.

First Aid - Skin: Prolonged exposure to skin may cause some drying of the skin. Wash off with water.

First Aid - Eye: Flush eyes with copious quantities of water. If irritation persists, seek medical attention.

First Aid - Ingestion: If less than 59 ml / 2 ounces is ingested, no toxic symptoms should occur, to most humans Wash out mouth and seek medical attention if more than59ml or 2 ounces *is ingested*.

Advice to Physicians: Treat symptomatically. Wash skin or eyes thoroughly. Treat as you would for any large ingestion of mild soap or tooth paste.

5. FIRE FIGHTING MEASURES

Specific Hazards: OSE ll is a fire retardant. However, if applied to a burning fire, there can be a slight flash before fire goes out.

Extinguishing Media: None required. Product is a fire retardant. Method - ASTM-D56.

Unsuitable Extinguishing Media: None required. Product is a fire retardant.

Protective Equipment:	Proper protective equipment including breathing apparatus must be worn when approaching any fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with eyes. Wash from skin or eyes as needed.
Personal Protection:	Wear goggles if applying in windy conditions. Wear protective rubber gloves if applying directly in a prolonged situation.
Environmental Precautions:	Wash down with water. Will help clean soil, drains, or water.
Clean-up methods - small spillage:	Wash down with water. Non-toxic to the environment.
Clean-up methods - large spillage:	Same as for small spills.

7. HANDLING AND STORAGE

Handling:	When handling product in drums, safety Footwear should be worn. However No special handling procedures required.
Storage:	Keep in cool, dry area. A void direct sunlight and excessive heat.
Storage Temperatures:	Do not store where temperature exceeds 120 F.
Recommended Materials:	Polyethylene drums or PVC are acceptable.
Unsuitable Materials:	None known.
Other Information:	Product can freeze / thaw without any negative effect on product.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Standards:	None established (none toxic).
Hygiene Measures:	Wash hands before eating or drinking.
Respiratory Protection:	Not normally required.
Hand Protection:	Any plastic or rubber glove if needed; not normally required.
Eye Protection:	Wear safety glasses or goggles if applying in windy conditions.
Body Protection:	Not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid with the same density of H_2O.
Color:	Amber to brown.
Odor:	Some smell of ferment.
Vapor Pressure:	Same as H_2O.1.0215
Density:	Same as H_2O.1.0215
Vapor Density:	Same as H_2O.1.0215
Dropping Point:	Same as H_2O.
Flash Point:	Same as H_2O in excess of 7000°F.
Flammability Limit - Lower:	Nonflammable.
Flammability Limit - Upper:	Nonflammable.
Auto-ignition Temperature:	Non-igniting.
Solubility in Water:	100%
N-octanol/water Partition Coefficient:	100% soluble - non partitioning
PH:	6.6-7
Elements Content:	None.

10. STABILITY REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Temperatures in excess of 120° F and direct sunlight during storage or transporting.
Materials to Avoid:	Strong oxidizing agents.
Hazardous Decomposition Products:	None decomposes to CO_2 and H_2O.

11. TOXICOLOGICAL INFORMATION

Basis for Assessment:	Toxicity tests have been performed Determining OSE II is (virtually nontoxic).
Acute Toxicity - Oral:	Can become toxic if more than 60 ml ot 2 ounces is ingested.
Acute Toxicity - Dermal:	None.
Eye Irritation:	Slight irritant alleviated by copious eye washing.
Skin Irritation:	Skin can dry slightly if prolonged direct exposure occurs.
Respiratory Irritation:	Virtually none.
Skin Sensitization:	Not expected to be a skin sensitizer.
(Sub)chronic Toxicity:	None expected.
Carcinogenicity:	Not a carcinogen.
Mutagenicity:	Not a mutagenic.
Human Effects:	None expected.
Other Information:	Not applicable.

12. ECOLOGICAL INFORMATION

Basis for Assessment:	Ecotoxicological data has been determined specifically for this product. Information given is for specific sensitive (aquatic) species in fresh and salt water.

Mobility:	Liquid that floats on water and solubilizes rapidly. If it comes in contact with soil will percolate at the same rate as H_20 and will biodegrade rapidly.
PersistencelDegradability:	Product completely biodegrades in water or soil environments and will not persist. 100% biodegradable as testing has confirmed
Bioaccumulation:	None
Ecotoxicity: US EAP Environment Canada OSEI with the city of Plano, TX Australia NATA test results:	100% soluble. **LC50 Brine shrimp:** >1,900 mg/l up to 10,000 mg/l. **LC50 Fundulus** Heterocletus 96 hour: 5,258 mg/l. **LC50 Rainbow Trout:**10,000 mg/l. **LC50 Fathead Minnows** (Pimephale promelas): 9,300 mg/l. **IC10(milky oyster,** Saccostrea echinata): 11.0 (10.0-11.9)mg/l/48h **EC50(milky oyster,** Saccostrea echinata): 16.5 (16.0-17.1)mg/l/48h **NOEC(milky oyster,** Saccostrea echinata): 10.0mg/l **LOEC(milky oyster,** Saccostrea echinata): 20.0mg/l **EC10(mussel,** Mytilus galloprovincialis): >20.0mg/l/72h **EC50(mussel,** Mytilus galloprovincialis): >20.0mg/l/72h **NOEC(mussel,** Mytilus galloprovincialis): 20.0mg/l **LOEC(mussel,** Mytilus galloprovincialis): >20.0mg/l

13. DISPOSAL CONSIDERATIONS

Waste Disposal:	No special disposal.
Product Disposal:	No special disposal.
Container Disposal:	No special disposal.
Local Legislation:	Not applicable.

14. TRANSPORT INFORMATION

Not dangerous for conveyance under UN, IMO, ADRIRID.

Marine Transport (IMO/IMDG): Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA): Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

IMDG Marine No

15. REGULATORY INFORMATION

GHS **not controlled, does not contain hazardous or regulated ingredients**

REACH **Not registered, OSE II does not contain any hazardous or regulated ingredients**

EC Classification:	Not Known.
EC Symbols:	Not Known.
EC Risk Phrases:	Not Known.
EINECS (EC):	Not Known.
TSCA (USA):	
Other Information:	US DOT class 55 non hazardous
Dangerous Constituents:	None.

16. OTHER INFORMATION

Only bioremediation product successfully used to permanently remove oil on U.S. navigable waters under U.S. EPA Government observation.

Government approvals or approved listings:	US EPA NCP # B53, New Zealand EPA SOS # *1001797,* *Australia #OBA* *Oil Spill Control agent Greek registration ID no:17554* *Gulf States MEMAC approval Ref:337/12-RHD,* *Philippine accreditation #PCG-14-06-112* *Nigeria NOSDRA cert: 189,* *Mexico Coatzacoalcos.Ver.,a 30 de Julio de 2014,* *Israel approval,* *UK approval #ODA 241/2015 ,* *Trinidad and Tobago approval#* *MEEA:12.1.5 Vol. XXXXII, South Korea cert no: S-007*
Uses and Restrictions:	Bioremediation product that converts hydrocarbons, chlorinated hydrocarbons, and most organic based material or waste to CO_2 and H_20.
Technical Contact Point:	Steven Pedigo
Technical Contact Number:	(972) 669-3390
Fax Number:	(469) 241-0896
E-Mail:	oseicorp@msn.com
SDS History:	Not Applicable
Revisions Highlighted	None.

last revision of SDS

Literature References

SDS Created: June 2015

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. Workplace exposure standards for airborne contaminants, Safe work Australia. American Conference of Industrial Hygienists (ACGIH). Globally Harmonised System of classification and labelling of chemicals. ...End Of MSDS...