

Safety Data Sheet

ITEM# 78-8015 VSO BIOACT 1-GALLON

Issuing Date 25-Jun-2014

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Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name BIOACT®VSO

Other means of identification

Product Code VSO

Recommended use of the chemical and restrictions on use

Recommended Use Technical cleaning solvent.
Uses advised against FOR INDUSTRIAL USE ONLY

Details of the supplier of the safety data sheet

Emergency Telephone Number

CHEMTEL, ACCOUNT #MIS4594445 COLLECT CALLS ACCEPTED
USA, CANADA 1-800-255-3924 AUSTRALIA: 1-300-954-583 BRAZIL: 0-800-591-6042
CHINA: 400-120-0751 INDIA: 000-800-100-4086 MEXICO: 01-800-099-0731
ALL OTHER COUNTRIES: 1-813-248-0585

Emergency Telephone Number

2. HAZARDS IDENTIFICATION

Classification

Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1

Label Elements

EMERGENCY OVERVIEW

DANGER

Hazard statements

May cause drowsiness or dizziness
May be fatal if swallowed and enters airways



Appearance Cloudy

Physical State Liquid

Odor Hydrocarbon

Precautionary Statements - Prevention

Avoid breathing vapors or mists

Do not eat, drink or smoke when using this product

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Get medical advice/attention if you feel unwell.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Immediately call a POISON CENTER or doctor/physician.

Precautionary Statements - Storage

Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Petroleum distillates, hydrotreated light	64742-47-8	60 -100

4. FIRST AID MEASURES**FIRST AID MEASURES****Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, call a physician.

Skin contact

IF ON SKIN: Wash with plenty of water, If skin irritation occurs: Get medical attention.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed**Symptoms**

Headache/dizziness.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Dry Chemical, Foam, Water spray, Class ABC/BC Fire extinguisher, Carbon Dioxide.

Unsuitable extinguishing media

None identified.

Specific hazards arising from the chemical

None identified.

Hazardous combustion products

Carbon oxides.

Explosion Data**Sensitivity to Mechanical Impact**

None.

Sensitivity to Static Discharge

Yes. Not sensitive.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Use personal protective equipment.

For emergency responders Use personal protective equipment as required.

Environmental precautions

Environmental precautions Prevent release to surface water.

Methods and material for containment and cleaning up

Methods for Cleaning Up Absorb with inert material and transfer to containers for later disposal.

7. HANDLING AND STORAGE**Precautions for safe handling**

Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Exposure Guidelines Manufacturer recommended exposure limit (8-hour TWA) for CAS 64742-47-8: 177 ppm, 1200 mg/m³.

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side-shields.

Skin and Body Protection Protective gloves.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State Liquid

Appearance	Cloudy	Odor	Hydrocarbon
Color	White to slightly yellow	Odor threshold	Not determined
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH		Not Applicable	
Melting point/freezing point		Not determined	
Boiling point/boiling range	240-263		
Flash Point	102 °C / 216 °F	Open cup	
Evaporation Rate	> 1	(BUAC = 1)	
Flammability (solid, gas)		May burn if exposed to open flame.	
Flammability Limits in Air		Not determined	
Upper flammability limits			
Lower Flammability Limit			
Vapor pressure	0.1	mm Hg	
Vapor Density	> 1	(air = 1)	
Specific Gravity	0.82	@ 25°C	
Water Solubility	Insoluble		
Solubility in other solvents		Not determined	
Partition coefficient		Not determined	
Autoignition Temperature		Not determined	
Decomposition temperature		Not determined	
Kinematic viscosity	4.6 CPS @ 25°C		
Dynamic viscosity		Not determined	
Explosive Properties	None		
Oxidizing Properties	None		

Other Information**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Excessive heat, flames, and sparks.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

None identified.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	May cause drowsiness and dizziness.
Eye contact	May cause slight irritation.
Skin contact	Prolonged or repeated contact may dry skin and cause irritation.
Ingestion	May cause lung damage if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, hydrotreated light 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms May cause headache and dizziness.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Contains no listed carcinogens at greater than 0.1%.

Reproductive Toxicity No known hazard.

Developmental Toxicity No known hazard.

Teratogenic No known hazard.

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity-Product Information Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Petroleum distillates, hydrotreated light 64742-47-8	No data available	LC50= 45 mg/L Pimephales promelas 96 h		LC50 = 4720 mg/L 96 h

Persistence and degradability

Not expected to be persistent in the aquatic environment.

Bioaccumulation/Accumulation

No known hazard

Mobility

No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Dispose of in accordance with local regulations.

Contaminated Packaging Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

<u>IATA</u>	Not regulated
<u>IMDG / IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies
NDSL	n/a
EINECS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations**16. OTHER INFORMATION**

<u>NFPA</u>	Health Hazard 1	Flammability 1	Instability 0	Physical and Chemical Hazards n/a
<u>HMIS</u>	Health Hazard 1	Flammability 1	Physical hazards 0	Personal Precautions B

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Revision Note

Updated format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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