

Safety Data Sheet

Issuing Date 27-Jun-2017 Revision Date 27-Jun-2017 Revision Number 3

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

Manufacturer Address Vantage Specialties, Inc.

3938 Porett Drive Gurnee, IL 60031 USA 847-244-3410

Emergency Telephone Number

Emergency Telephone Number CHEMTREC International +1-703-527-3887

CHEMTREC USA: 1-800-424-9300

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



Color White to slightly yellow

Physical State Liquid

Odor Mild

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 soap and water.

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: Immediately call a POISON CENTER or doctor/physician. Do NOT

induce vomiting.

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 known.

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 firefightersAs 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 Ensure adequate ventilation. 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 disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Do not breathe mist/vapors/spray.

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 Ventilation systems. Eyewash stations.

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.

<u>Hygiene Measures</u> 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

Upper flammability limit

Appearance Cloudy Odor Mild

Color White to slightly yellow Odor threshold Not determined

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

pHNot ApplicableMelting point / freezing pointNot determined

Boiling point / boiling range 240-263 °C

Flash Point 102 °C CC (closed cup)
Evaporation Rate > 1 (BUAC = 1)

Flammability (solid, gas)

May burn if exposed to open flame.

Flammability Limit in Air Not determined

Lower Flammability Limit

Vapor pressure 0.1 mm Hg **Vapor Density** > 1 (air = 1)Specific Gravity 0.82 @ 25°C Insoluble

Water Solubility

Solubility in other solvents Not determined Partition coefficient Not determined **Autoignition Temperature** Not determined **Decomposition temperature** Not determined

4.6 cps @ 25°C Kinematic viscosity

Dynamic viscosity

Explosive Properties None **Oxidizing Properties** None

Other Information

10. STABILITY AND REACTIVITY

Reactivity Not reactive

Remarks

Chemical stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Hazardous Reactions None under normal processing. Heat, flames and sparks. **Conditions to Avoid**

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.

Prolonged or repeated contact may dry skin and cause irritation. Skin contact

Ingestion May cause lung damage if swallowed.

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

Information on toxicological effects

Symptoms Headache and dizziness.

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

Skin corrosion/irritation Not irritating to skin. May cause slight irritation. Serious eye damage/eye irritation

Sensitization No known hazard.

Mutagenic Effects No known hazard.

Carcinogenicity Contains no listed human carcinogens at greater than 0.1%.

Reproductive Toxicity No known hazard.

Developmental ToxicityNo known hazard.TeratogenicNo known hazard.

STOT - single exposure Inhalation of vapors may cause dizziness and drowsiness.

STOT - repeated exposure 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,		LC50= 2.4 mg/L		EL0: 1000 mg/l		
hydrotreated light		Oncorhynchus mykiss 96 h				
64742-47-8		LC50= 2.2 mg/L Lepomis				
		macrochirus 96 h LC50= 45				
		mg/L Pimephales promelas				
		96 h				

Persistence and degradability

Not expected to be persistent in the aquatic environment.

Bioaccumulation/Accumulation

Expected to be biodegradable

Mobility

No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Dispose of in accordance with applicable regulations.

Contaminated Packaging Dispose of in accordance with applicable regulations.

14. TRANSPORT INFORMATION

<u>DOT</u> Not regulated

TDG Not regulated Not regulated Not regulated

<u>ICAO</u> Not regulated

IATA Not regulated

IMDG / IMO Not regulated

RIDNot regulatedADRNot regulated

<u>ADN</u> Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies Complies DSL **NDSL** n/a **EINECS** Complies Complies **ENCS** Complies **IECSC** Complies **KECL 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 Chemical Substances/European 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

NFPA Health Hazard 1 Flammability 1 Instability 0 Physical and Chemical Hazards n/a

HMIS Health Hazard 1 Flammability 1 Physical hazards 0 Personal Precautions B

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Revision Note
Reason for Revision Update to Trademark Status

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.

End of Safety Data Sheet

BIOACT is a trademark of Vantage Specialties, Inc.
