



SAFETY DATA SHEET

Section 1 – Identification

1.1 Product identifier

Product Name : Bio-Safe Series

1.4 Supplier Information

David Weber Oil Co.
601 Industrial Road
Carlstadt, NJ 07072

1.2 Product usage

Recommended Usage : Biobased Hydraulic Oil, (Biodegradable), Compliant, EPA-VGP-EAL

1.3 Emergency support

Emergency Support : CHEMTREC
United States +1(800) 424-9300
International +01(703) 527-3887

Section 2- Hazards Identification

2.1 Classification of Substance Mixture

This material is not hazardous according to regulatory guidelines (see SDS Section 15).

2.2 Other Hazards

Hazard not otherwise classified (HNOC) : None as defined under 29 CFR 1900.1200.
Physical / chemical hazards : No significant hazards.
Health hazards : This material has no known hazards when used as directed.
Environmental hazards : No significant hazards.

NFPA Hazard ID: Health: 0 Flammability: 1 Reactivity: 0
HMIS Hazard ID: Health: 0 Flammability: 1 Reactivity: 0

NOTE: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

General Measures : Use personal protective equipment. Keep unnecessary personnel away.

6.2 Environmental Precautions

Environmental precautions : Prevent product from entering drains. Do not contaminate surface water. Check on local, national and international regulatory information to determine any reporting requirements for spills.

6.3 Materials & Method to Contain and Cleanup

Methods for containment : Prevent further leakage or spillage if safe to do so, confine spill immediately with booms.

Methods for cleaning up : Absorb spill with inert material (e.g. dry sand or earth). Where necessary collect using absorbent media, or skimming surface with suitable absorbent, then transfer material in approved containers.

Section 7 - Handling & Storage

Handling : Handle in accordance with good industrial hygiene and safety practice. Keep containers closed when not in use. Wash thoroughly after handling.

Storage Conditions : Keep containers tightly closed and store in a cool well-ventilated place free of contaminants. Empty containers may retain product properties. Follow all MSDS / Label warnings after container is emptied. No special storage precautions required.

Section 8 - Exposure Control

8.1 Control parameters

Exposure Guidelines

Components	ACGIH TLV	OSHA (TWA mg/m ³):	IDLH
Oil Mist	5 mg/m ³	5 mg/m ³	

8.2 Appropriate engineering controls

Engineering measures to reduce exposure : Use only in area provided with appropriate exhaust ventilation.

8.3 Individual protection measures, such as personal protective equipment

Respiratory protection	: No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection	: Nitrile rubber Neoprene gloves
Eye protection	: Safety glasses
Skin and body protection	: Impervious clothing
General Hygiene Considerations	: Avoid contact with skin, eyes and clothing

Section 9 - Physical & Chemical Properties

9.1 Information On Basic Physical and Chemical Properties

Specific Gravity (H ₂ O = 1)	: .88 @ 15.6°C	
Flash Point (COC)	: 232°C (449.6°F)	
Kinematic viscosity	: 30.5 cSt @ 40°C	
Pour Point	: -35°C (-31°F)	
Explosive properties	: Material does not have explosive properties.	
Oxidizing properties	: See Section 2, No significant hazards.	
Volatile Organic Compound (VOC)	: Components contain No VOC according to CARB	
Physical state	: Liquid	
Appearance	: Oil	
Odor	: Mild	
Color	: Light yellow liquid	
Odor threshold	: Not Determined	
Melting: point/freezing point	: Not Determined	
Boiling point /boiling range	: Not Determined	
Flammability (solid, gas)	: Not Determined	
Flammability Limit in Air	: Not Determined	
Evaporation rate	: (n-Butyl Acetate=1)	Approx. <1
Percent Volatile	: Not Determined	
Boiling Point	: Not Determined	
Vapor Density (Air = 1)	: <1	
Vapor pressure	: Not Determined	
Solubility in Water	: Insoluble	
Upper flammability limit	: Not Determined	
Lower flammability limit	: Not Determined	
Partition coefficient	: Not Determined	
Autoignition temperature	: Not Determined	
Decomposition temperature	: Not Determined	

The above data are typical values and do not constitute a specification

Section 10 - Stability & Reactivity

Reactivity	: Not applicable
Chemical stability	: Stable under normal conditions
Possibility of Hazardous Reactions	: None under normal processing
Hazardous polymerization	: Hazardous polymerization does not occur
Conditions to avoid	: Special storage conditions required
Hazardous Decomposition Products	: None under normal processing
Incompatible materials	: Oxidizing agents

Section 11- Toxicological Information

11.1 Information on likely routes of exposure

Product Information	: Product does not present an acute toxicity hazard based on known or supplied information
Eye contact	: Contact with eyes may cause irritation. May cause mild, short-lasting discomfort to eyes based on assessment of the components.
Skin contact	: Acute Toxicity: Minimally Toxic, based on assessment of the components. Substance does not generally irritate and is only mildly irritating to the skin with prolonged exposure.
Inhalation	: Acute Toxicity: Minimally Toxic, based on assessment of the components. Irritation: Negligible hazard at ambient/normal handling temperatures.
Ingestion	: Acute Toxicity: Minimally Toxic, based on assessment of the components and structurally similar materials.
Aspiration	: Not expected to be an aspiration hazard, based on physical and chemical properties of the material.
Respiratory Sensitization	: Not expected to be a respiratory sensitizer, based on assessment of the components and structurally similar materials.
Germ Cell Mutagenicity	: Not expected to be a germ cell mutagen, based on assessment of the components and structurally similar materials.
Carcinogenicity	: Not expected to cause cancer, based on assessment of the components and structurally similar materials. This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive Toxicity	: Not expected to be a reproductive toxicant, based on assessment of the components.
Lactation	: Not expected to cause harm to breast-fed children.
Specific Target Organ Toxicity (STOT)	: Single Exposure: Not expected to cause organ damage from a single exposure. Repeated Exposure: Not expected to cause organ damage from prolonged or repeated exposure.

11.2 Other information

Product Information	: Product does not present an acute toxicity hazard based on known or supplied information. Not expected to cause significant health effects under conditions of normal use, based on laboratory studies with the same or similar materials. Not mutagenic or genotoxic. Not sensitizing in test animals and humans.
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Section 12 - Ecological Information

Ecotoxicity	: No known hazards to the aquatic environment
Biodegradation	: Based on previous biodegradability studies, the products provide Ultimate Biodegradation Pw1 >60% within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants.
Aquatic/Ecotoxicity: OECD 201, 202, and 203	: Based on previous studies, LC50/EC50 is greater than 3,000 ppm (3000mg/L).
Bioaccumulation	: No Potential to Bioconcentrate
Soil Mobility	: Not Established
Persistence and degradability	: Readily biodegradable >60% after 28 days
Water Mobility	: The product is insoluble and floats on water. WGK: 1

Section 13 - Disposal Considerations

13.1 Waste treatment

Disposal of waste	: Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	: Do not reuse container.

Section – 14 Transportation Information

UN number	ADR/RID Not regulated.
ICAO Not regulated.	IMDG Not regulated.
UN proper shipping name	ADR/RID Not regulated.
ICAO Not regulated.	IMDG Not regulated. Marine Pollutant: NO
Transport hazard class(es)	ADR/RID Not regulated.
ICAO Not regulated.	IMDG Not regulated.
Packing group AIR	ADR/RID Not regulated.
LAND	IATA Not regulated.
LAND	TDG Not regulated.
	DOT Not regulated.

Section 15 - Regulatory Information

15.1 International Inventories

TSCA : Listed in TSCA
TSCA : United States Toxic Substances Control Act Section 8(b) Inventory

15.2 Global Chemical Inventories

USA : All components of this material are on the US TSCA Inventory or are exempt.
EU : All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
Japan : All components are in compliance with the Chemical Substances Control Law of Japan.
Australia : All components are in compliance with chemical notification requirements in Australia.
Canada : All components are in compliance with the Canadian Environmental Protection Act and are Canadian DSL/NDSL.
Switzerland : All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
China : All components of this product are listed on the Inventory of Existing Chemical Substances in China
Korea : All components are in compliance in Korea.
Philippines : All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
TSCA: : All ingredients in this product are listed or exempt from listing on the TSCA Chemical inventory.
CEPA: : All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.
Proposition 65: : This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

15.3 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 No
Chronic Health Hazard No
Fire Hazard No
Sudden release of pressure hazard No
Reactive Hazard No
CWA (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.

15.4 State Regulations (RTK)

California Proposition 65 : This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations : This product does not contain any known chemical substance on the SARA Extremely Hazardous Substances list.
U.S. EPA Label Information : EPA Pesticide Registration Number Not applicable

Section 16 - Other Information

Read and follow all label directions and precautions before using the product.

NFPA : Health: 0
Flammability: 1
Instability 0

HMIS health rating : Health: 0
Flammability: 1
Physical hazards 0
Personal protection B

Guide to Abbreviations : ACGIH = American Conference of Governmental Industrial Hygienists; CARB = California Air Resource Board, CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

Revision

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