

SAFETY DATA SHEET

1. Identification

Product identifier DEFOAMER 5810

Other means of identification

Synonyms Aqueous Chemical Mixture

Recommended use Defoaming Agent

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Far West Oil Company, Inc.

Address 139 West Mindanao Street
Bloomington, CA, 92316
United States

Telephone 1-909-873-1500

Website farwestoil.com

Emergency phone number 1-818-679-5080

2. Hazard(s) identification

Physical hazards Not classified according to 29 CFR 1910.1200 (2012)

Health hazards Not classified.

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement Not required according to 29 CFR 1910.1200 (2012)

Precautionary statement

Prevention None.

Response None.

Storage None.

Disposal None.

Hazard(s) not otherwise classified (HNOC) No OSHA defined hazard classes.
Other hazards which do not result in classification: May cause mild skin and eye irritation. May cause respiratory irritation. Ingestion may cause gastrointestinal irritation.

Supplemental information None.

3. Composition/information on ingredients

Substances

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

Chemical name	CAS number	%
---------------	------------	---

4. First-aid measures

Inhalation Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Get medical attention if symptoms persist.

Skin contact Wash affected area with mild soap and water. Get medical attention if irritation develops and persists.

Eye contact	Flush with large amounts of water for 15 minutes. Get medical attention if irritation persists after washing.
Ingestion	Do not induce vomiting. Rinse mouth. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Direct skin contact may cause slight or mild irritation. Inhalation of high concentrations of vapors, may cause respiratory irritation. Ingestion may cause gastrointestinal irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Foam. Dry chemical powder. Carbon dioxide (CO ₂). Water spray.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire fighting equipment/instructions	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Evacuate area and fight fire from a safe distance. Remove all sources of ignition. Move containers from fire area if you can do so without risk. Cool containers / tanks with water spray. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Not considered flammable. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
Hazardous combustion products	Carbon oxides.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS. Avoid inhalation of vapors or mists. In case of spills, beware of slippery floors and surfaces. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Eliminate all sources of ignition. Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Keep in properly labelled containers. Wash residues from area with soap and water, and rinse. Following product recovery, flush area with water. Contaminated rags and cloths must be put in fireproof containers for disposal. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practice. Keep away from extreme heat and direct flame. Keep away from incompatibles. Use this product with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors and spray mists. In case of spills, beware of slippery floors and surfaces. Wash hands after handling and before eating. Keep containers closed when not in use. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. Contaminated rags and cloths must be put in fireproof containers for disposal.
Conditions for safe storage, including any incompatibilities	Store in tightly closed container in a cool and well-ventilated place when not in use. Store away from incompatible materials (see Section 10 of the SDS). Keep away from heat and sources of ignition.

8. Exposure controls/personal protection

Occupational exposure limits	Triethanolamine	OSHA Z-1 and ACGIH - TWA is 5 mg/m ³ .
-------------------------------------	-----------------	---

Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields.
Skin protection	
Hand protection	Chemical resistant gloves recommended.
Other	Protective clothing recommended especially for prolonged exposure.
Respiratory protection	If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator. Advice should be sought from respiratory protection specialists.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	Opaque Aqueous Liquid.
Physical state	Liquid.
Form	Liquid.
Color	Opaque.
Odor	Mild.
Odor threshold	Not data available.
pH	Not data available.
Melting point/freezing point	Not data available.
Initial boiling point and boiling range	212.0 °F (100 °C)
Flash point	No Flash Point
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not Applicable.
Flammability limit - upper (%)	Not Applicable.
Explosive limit - lower (%)	Not Applicable.
Explosive limit - upper (%)	Not Applicable.
Vapor pressure	Not Determined.
Vapor density (Air=1)	Not Determined.
Relative density	Not Determined.
Solubility(ies)	
Solubility (water)	Soluble
Solubility (other) Partition coefficient	Not Determined.
(n-octanol/water)	Not Determined.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity @ 40°C[mm²/s = cSt]	Not Applicable.
Density	1.001 kg/l @ 60.1 °F (15.6 °C)
Explosive properties	Not applicable.
Oxidizing properties	No oxidizing properties.

Specific gravity 1.001

10. Stability and reactivity

Reactivity May react with strong acids or strong oxidizing agents.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials like strong acids and oxidizing agents. Excessive heat.

Incompatible materials Strong Acids and oxidizing agents.

Hazardous decomposition products None known, refer to hazardous combustion products in Section 5. In the event of fire the following can be released: Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation Inhalation of high concentrations of vapors, may cause respiratory irritation.

Skin contact Direct skin contact may cause slight or mild, transient irritation.

Eye contact Direct eye contact may cause slight or mild, transient irritation.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics May cause mild skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause mild eye irritation. Symptoms may include stinging and tearing. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing, and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Acute toxicity This product is not classified as an acute toxicity hazard. See data for individual ingredient acute toxicity data.

Product	Species	Test Results
Triethanolamine		
Acute		
<i>Dermal</i>	Rabbit	No Data in Literature
<i>Inhalation</i>	Rat	No Data in Literature
<i>Oral</i>	Rat	No Data in Literature

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Direct skin contact may cause slight or mild, transient irritation.

Serious eye damage/eye irritation Direct contact may cause very mild, temporary irritation and redness.

Respiratory or skin sensitization

Respiratory sensitization Not expected to be a respiratory sensitizer.

Skin sensitization This product is not expected to be a skin sensitizer.

Germ cell mutagenicity Not expected to be mutagenic in humans.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified as a specific target organ toxicity -single exposure.

Specific target organ toxicity - repeated exposure Not classified as a specific target organ toxicity -repeated exposure.

Aspiration hazard Not expected to be an aspiration hazard.

Chronic effects Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Further information This product has no known adverse effect on human health.

12. Ecological information

Ecotoxicity Do not allow this material to drain into sewers/water supplies. Not classified as an ecological hazard.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential The product itself has not been tested.

Mobility in soil The product itself has not been tested.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This substance/mixture is intended to be transported in bulk or drum packaging.

15. Regulatory information

US federal regulations All components are on the U.S. EPA TSCA Inventory List.
This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not regulated.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania Worker and Community Right-to-Know Law

Not regulated.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	08/06/2015
Version #	02

List of abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
DOT: Department of Transportation
EC: Effective Concentration
HMIS: Hazardous Materials Identification System
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
LC: Lethal Concentration
LD: Lethal Dose
MARPOL: Marine Pollution
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
NOEC: No Observable Effect Concentration
NTP: National Toxicology Program
OECD: Organisation for Economic Co operation and Development
OEL: National Occupational Exposure Limits
OSHA: Occupational Safety and Health Administration
PPE: Personal Protective Equipment
RCRA: Resource Conservation and Recovery Act
RQ: Reportable Quantity
RTECS: Registry of Toxic Effects of Chemical Substances
RTK: Right to Know
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TSCA: Toxic Substances Control Act
TWA: Time Weighted Average
VOC: Volatile Organic Compounds
WEL: Workplace Exposure Limit

Disclaimer

Disclaimer

The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Far West Oil Company, Inc. expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Far West Oil Company, Inc.