

Section 1 ~ Identification

Identity (As Used On Label and List) A1047 OXY FOAM	Date Prepared: 09-28-2016
Company Information: OMEGA INDUSTRIAL SUPPLY, INC	Emergency Telephone Number: 1-800-424-9300
Address (Number, Street, Suite/Apt#) 101 Grobric Ct #1	Telephone Number for Information: 1-800-571-7347
(City, State, and Zip Code) Fairfield, CA 94534	Signature of Prepare (Optional) REGULATORY DEPT.

Section 2 ~ Hazard(s) Identification

Physical Hazards	Flammable aerosols	Category 1
Health Hazards	Sensitization, skin	Category 1
OSHA Defined Hazards	Not classified	

Label Elements



Signal Word: Danger.

Hazard Statement Extremely flammable aerosol. May cause an allergic skin reaction.

Precautionary Statement

Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing gas. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.
Response	If on skin: Wash with plenty of water. If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Environmental Hazards	Hazardous to the aquatic environment, acute hazard Category 2 Hazardous to the aquatic environment, long-term hazard Category 2
Hazard(s) not Otherwise Classified (HNOC)	None known. Supplemental Information None

Section 3 ~ Composition/Information on Ingredients

Chemical Name	Common Name & Synonyms	CAS No.	%(Wt.)
Butane		106-97-8	2.5 – 10
d-Limonene		5989-27-5	2.5 – 10
Propane		74-98-6	1 – 2.5
Triethanolamine		102-71-6	1 – 2.5
Diethanolamine		111-42-2	0.1 – 1
Other components below reportable levels			80 – 90

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4 ~ First Aid Measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin Contact: In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye Contact: Rinse with water. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

Most Important Symptoms/Effects, Acute and Delayed: May cause an allergic skin reaction. Dermatitis. Rash.

Indication of Immediate Medical Attention and Special Treatment Needed: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Section 5 ~ Fire Fighting Measures

Suitable Extinguishing Media: Not available.

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Chemical: Contents under pressure. Pressurized container may explode when exposed to heat or flame. 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: Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific Methods: Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General Fire Hazards: Extremely flammable aerosol.

Section 6 ~ Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. Do not re-use empty containers. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Level 1 Aerosol.

Methods and Materials for Containment and Cleaning Up: Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. For waste disposal, see section 13 of the SDS.

Environmental Precautions: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Section 7 ~ Handling and Storage

Precautions for Safe Handling: Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Level 1 Aerosol.

Conditions for Safe Storage, Including any Incompatibilities: Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 ~ Exposure Controls/Personal Protection

Occupational Exposure Limits:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Propane (74-98-6)	PEL	1800 mg/m3 1000 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Butane (106-97-8)	STEL	1000 ppm	Inhalable fraction and vapor.
Diethanolamine (111-42-2)	TWA	1 mg/m3	
Triethanolamine (102-71-6)	TWA	5 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butane (106-97-8)	TWA	1900 mg/m3 800 ppm
Diethanolamine (111-42-2)	TWA	15 mg/m3 3 ppm
Propane (74-96-8)	TWA	1800 mg/m3 1000 ppm

Biological Limit Values: No biological exposure limits noted for the ingredient(s).

Exposure Guidelines

US - California OELs: Skin designation: Diethanolamine (111-42-2) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation: Diethanolamine (111-42-2) Can be absorbed through the skin.

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: Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection: For prolonged or repeated skin contact use suitable protective gloves.

Other: Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory Protection: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal Hazards: Wear appropriate thermal protective clothing, when necessary.

General Hygiene Considerations: When using do not smoke. 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. Contaminated work clothing should not be allowed out of the workplace.

Section 9 ~ Physical and Chemical Properties

Appearance	Evaporation Rate: Not available.	Solubility(ies)
Physical State: Gas.	Flammability (solid, gas): Not available.	Solubility (water): Not available.
Form: Aerosol.	Upper/Lower Flammability or Explosive Limits	Partition coefficient (n-octanol/water): Not available.
Color: Not available.	Flammability Limit – Lower (%): 0.7% estimated	Auto-Ignition Temperature: 459°F (237.22°C) estimated
Odor: Not available.	Flammability Limit – Upper (%): 6.1% estimated	Decomposition Temperature: Not available.
Odor Threshold: Not available.	Explosive Limit - Lower (%): Not available.	Viscosity: Not available.
pH: Not available.	Explosive Limit - Upper (%): Not available.	Other Information
Melting Point/Freezing Point: Not available.	Vapor Pressure: Not available.	Explosive Properties: Not explosive.
Initial Boiling Point and Boiling Range: 212°F (100°C) estimated	Vapor Density: Not available.	Oxidizing Properties: Not oxidizing.
Flash Point: -156.0°F (-104.4°C) Propellant estimated	Relative Density: Not available.	Specific Gravity: 0.827 estimated

Section 10 ~ Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability: Material is stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur.

Conditions to Avoid: Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible Materials: Strong oxidizing agents. Nitrates. Fluorine. Chlorine.

Hazardous Decomposition Products: No hazardous decomposition products are known.

Section 11 ~ Toxicological Information

Information on Likely Routes of Exposure

Inhalation: No adverse effects due to inhalation are expected.

Skin Contact: May cause an allergic skin reaction. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Eye Contact: Direct contact with eyes may cause temporary irritation.

Ingestion: Expected to be a low ingestion hazard.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: May cause an allergic skin reaction. Dermatitis. Rash.

Information on Toxicological Effects

Acute Toxicity: May cause an allergic reaction.

Components	Species	Test Results
Butane (106-97-8)		
Acute Inhalation		
LC50	Mouse	1237 mg/l, 120 Minutes 52 %, 120 Minutes 1355 mg/l
Diethanolamine (111-42-2)		
Acute Oral		
LD50	Rat	1100 mg/kg
D-Limonene (5989-27-5)		
Acute Oral		
LD50	Rat	>2000 mg/kg
Propane (74-98-6)		
Acute Inhalation		
LC50	Mouse	1237 mg/l, 120 Minutes 52%, 120 Minutes 1355 mg/l
	Rat	1355 mg/l 658 mg/l/4h

Triethanolamine (102-71-6)

Acute

Dermal

LD50 Rabbit >2000 mg/kg, 24 Hours

Oral

LD50 Rat 6400 mg/kg

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

Skin Corrosion/Irritation: Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Eye Irritation: Direct contact with eyes may cause temporary irritation.

Respiratory or Skin Sensitization

Respiratory Sensitization: Not a respiratory sensitizer.

Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: Risk of cancer cannot be excluded with prolonged exposure.

IARC Monographs. Overall Evaluation of Carcinogenicity:

Diethanolamine (111-42-2) 2B Possibly carcinogenic to humans.

d-Limonene (5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

Triethanolamine (102-71-6) 3 Not classifiable as to carcinogenicity to humans.

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

US. National Toxicology Program (NTP) Report on Carcinogens: Not Listed.

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

Specific Target Organ Toxicity - Single Exposure: Not classified.

Specific Target Organ Toxicity - Repeated Exposure: Not classified.

Aspiration Hazard: Not likely, due to the form of the product.

Chronic Effects: May be harmful if absorbed through skin. Prolonged exposure may cause chronic effects. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Section 12 ~ Ecological Information

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Components

Diethanolamine (111-42-2)

Aquatic

Algae IC50 Algae 7.8 mg/L, 72 Hours

Crustacea EC50 Daphnia 55 mg/L, 48 Hours

Fish LC50 Fathead minnow (Pimephales promelas) 100 mg/l, 96 Hours

d-Limonene (5989-27-5)

Aquatic

Crustacea EC50 Water flea (Daphnia pulex) 69.6 mg/l, 48 Hours

Fish LC50 Fathead minnow (Pimephales promelas) 0.619 – 0.796 mg/l, 96 Hours

Triethanolamine (102-71-6)

Aquatic

Algae IC50 Algae 216 mg/L, 72 Hours

Crustacea EC50 Water flea (Ceriodaphnia dubia) 565.2 – 658.3 mg/l, 48 Hours

Fish LC50 Fathead minnow (Pimephales promelas) 10610 – 13010 mg/L, 96 Hours

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

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

Bioaccumulative Potential

Partition coefficient n-octanol / water (log Kow) Butane 2.89 Diethanolamine -1.43 d-Limonene 4.232

Propane 2.36 Triethanolamine -1

Mobility in Soil: No data available.

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.

Section 13 ~ Disposal Considerations

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

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: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Section 14 ~ Transportation Information

DOT

UN Number: UN1950

UN Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)

Transport Hazard Class(es)

Class: 2.1

Subsidiary Risk -

Label(s) 2.1

Packing Group: Not applicable.

Special Provisions: N82

Packaging Exceptions: 306

Packaging Non Bulk: None

Packaging Bulk: None

IATA

UN Number: UN1950

UN Proper Shipping Name: Aerosols, flammable

Transport Hazard Class(es)

Class: 2.1

Subsidiary Risk -

Label(s) 2.1

Packing Group: Not applicable.

Environmental Hazards: Yes.

ERG Code: 10L

Other Information

Passenger and Cargo Aircraft: Allowed with restrictions.

Cargo Aircraft Only: Allowed with restrictions.

Packaging Exceptions: LTD QTY

IMDG

UN Number: UN1950

UN Proper Shipping Name: AEROSOLS

Transport Hazard Class(es)

Class: 2.1

Subsidiary Risk -

Label(s) 2.1

Packing Group: Not applicable.

Environmental Hazards

Marine Pollutant: Yes.

EmS: F-D, S-U

Packaging Exceptions: LTD QTY

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

Special Precautions for User: Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

DOT



IATA:IMDG



Marine Pollutant



General Information: IMDG Regulated Marine Pollutant

Section 15 ~ Regulatory Information

US Federal Regulations: This product is 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): Diethanolamine (111-42-2) Listed.

SARA 304 Emergency Release Notification: Not regulated.

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

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories
 Immediate Hazard – Yes Delayed Hazard – No
 Fire Hazard – Yes Pressure Hazard – No
 Reactivity Hazard – No

SARA 302 Extremely Hazardous Substance: Not listed.

SARA 311/312 Hazardous Chemical: No

SARA 313 (TRI reporting):

Chemical Name	CAS Number	% By Wt.
Diethanolamine	111-42-2	0.1 – 1

Other Federal Regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Diethanolamine (111-42-2)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Butane (106-97-8) Propane (74-98-6)

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 listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)): Butane (106-97-8) Diethanolamine (111-42-2)

US. Massachusetts RTK - Substance List	US. New Jersey Worker and Community Right-to-Know Act	US. Pennsylvania Worker and Community Right-to-Know Law	US. Rhode Island RTK
Butane (106-97-8)	Butane (106-97-8)	Butane (106-97-8)	Butane (106-97-8)
Diethanolamine (111-42-2)	Diethanolamine (111-42-2)	Diethanolamine (111-42-2)	Diethanolamine (111-42-2)
Propane (74-98-6)	Propane (74-98-6)	Propane (74-98-6)	Propane (74-98-6)
Triethanolamine (102-71-6)	Triethanolamine (102-71-6)	Triethanolamine (102-71-6)	

US. California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Diethanolamine (111-42-2) Listed: June 22, 2012

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	Yes

*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).

Section 16 ~ Other Information

	NFPA	HMIS	Key
HEALTH	2	2	4= Severe
FLAMMABILITY	2	2	3= Serious
REACTIVITY	0	0	2= Moderate
OTHER/PROTECTION	-	X	1= Slight 0= Minimal

Disclaimer: Omega Industrial Supply, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. 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.