

OFF BASE

Product number: 50OB12



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name OFF BASE
Product number 50OB12
Company information Brulin & Company, Inc.
P.O. Box 270
Indianapolis, IN 46206 US
www.Brulin.com
Emergency CHEMTREC 1-800-424-9300
General information Phone: 317-923-3211
Fax: 317-925-4596

2. Hazards Identification

Emergency overview EYE AND SKIN IRRITANT.
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Potential health effects

Eyes Avoid contact with eyes. Contact will irritate or burn eyes.

Skin Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis. Some effects may be experienced due to skin absorption.

Inhalation Excessive inhalation of vapors from this product may cause weakness, dizziness, confusion and numbness of limbs.

Ingestion Harmful if swallowed.

3. Composition / Information on Ingredients

Components	CAS #	Percent
2-Butoxyethanol	111-76-2	< 40
L.P.G. (liquified petroleum gas)	68476-85-7	< 10
Non-hazardous and other components below reportable levels		< > 60

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.

Skin contact Remove and isolate contaminated clothing and shoes. Immediately flush skin with running water for at least 20 minutes. Wash with soap and water. Get medical attention if irritation develops or persists. Launder contaminated clothing before reuse.

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention, if needed.

Ingestion If material is ingested, immediately contact a physician or poison control center.

Notes to physician Provide general supportive measures and treat symptomatically.

General advice In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Fire Fighting Measures

Flammable properties None known.

Extinguishing media

Suitable extinguishing media Carbon dioxide (CO₂). Alcohol foam. Dry chemical.

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Protection of firefighters

Specific hazards arising from the chemical Product is not considered combustible.

Protective equipment and precautions for firefighters Cool containers with flooding quantities of water until well after fire is out. Containers can build up pressure if exposed to heat (fire).

6. Accidental Release Measures

Methods for containment Stop the flow of material, if this is without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).

Methods for cleaning up Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

7. Handling and Storage

Handling Do not breathe gas/fumes/vapor/spray. Do not handle or store near an open flame, heat or other sources of ignition. Do not get this material in your eyes, on your skin, or on your clothing.

Storage Store in cool place. Keep in a well-ventilated place. Keep out of the reach of children. Keep away from heat and sources of ignition. Keep this material away from food, drink and animal feed. Store in a cool place below 130F (54C).

8. Exposure Controls / Personal Protection

Engineering controls Good general ventilation should be sufficient to control airborne levels.

Personal protective equipment

Eye / face protection Wear chemical goggles. or Face-shield.

Skin protection Wear impervious gloves for prolonged contact.

Respiratory protection None required where adequate ventilation conditions exist. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	opaque
Color	light beige
Odor	Pine
Odor threshold	Not available.
Form	Aerosol. Liquid.
pH	11.5
Freezing point	-94 °F (-70 °C) estimated
Boiling point	Not available.
Flash point	Not available.
Evaporation rate	< 1
Flammability limits in air, upper, % by volume	9.2
Flammability limits in air, lower, % by volume	1.8
Vapor density	> 1 (air = 1)
Specific gravity	< 1
Solubility (water)	Not available.
VOC	23 % estimated

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions.

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Conditions to avoid	Heat, flames and sparks. Vapors may form explosive mixture with air.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects	Acute LD50: 2025 mg/kg, Rat, Oral Acute LD50: 957 mg/kg, Rat, Dermal Acute LC50: 9 mg/l/4h, Rat, Inhalation
Chronic effects	Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood.
Carcinogenicity	
IARC Monographs: Overall evaluation	
2-Butoxyethanol (111-76-2)	3 Not classifiable as to carcinogenicity to humans.
US ACGIH Threshold Limit Values: A3 carcinogen	
2-Butoxyethanol (111-76-2)	A3 Confirmed animal carcinogen with unknown relevance to humans.

12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.
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13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations. Empty remaining contents.
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14. Transport Information

DOT

Basic shipping requirements:

Proper shipping name	Aerosols
Hazard class	2.2
UN number	UN1950
Packaging exceptions	306, 307
Packaging non bulk	None
Packaging bulk	None
ERG number	126

IATA

Basic shipping requirements:

Proper shipping name	Aerosols, non-flammable, containing substances in Division 6.1, Packing Group III and substances in Class 8, Packing Group III
Hazard class	2.2
UN number	UN1950
Additional information:	
Packaging exceptions	306, 307
Packaging instructions cargo only	203
Packaging non bulk	None
Packaging bulk	None
Maximum net quantity packaging	75 kg
Maximum net quantity packaging cargo only	150 kg
Labels required	2.2
ERG code	2CP

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IMDG

Basic shipping requirements:

Proper shipping name AEROSOLS, toxic, oxidizing, corrosive
Hazard class 2.2
UN number UN1950

Additional information:

Packaging exceptions 306, 307
Item 5TOC
Labels required 2.2
Transport Category 1



DOT



IATA



IMDG

15. Regulatory Information

US federal regulations All components are on the U.S. EPA TSCA Inventory List.

CERCLA (Superfund) reportable quantity

2-Butoxyethanol: 1.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

2-Butoxyethanol (111-76-2) Listed.
L.P.G. (liquefied petroleum gas) (68476-85-7) Listed.

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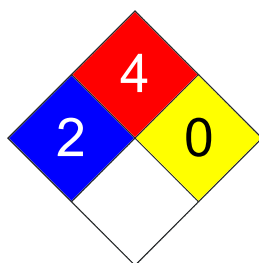
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16. Other Information

HMIS rating

Health	/ 2
Flammability	4
Physical Hazard	0
Personal Protection	B

NFPA codes



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 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

Exposure Controls / Personal Protection: Skin protection

This data sheet contains changes from the previous version in section(s):

Issue date

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