

CleanBlitz Foam

Safety Data Sheet acc. to OSHA HCS (29 CFR 1910.1200)

Revision: March 22, 2016



Section 1 - Identification

Product Identifier (Trade Name): **CleanBlitz Foam**

Recommended Use: **Cleaning Agent**

Manufactured by: Custom Biologicals, Inc.
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Section 2 - Hazards Identification

Classification:



GHS04 Gas Cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.

Label Elements:

Hazard Pictograms



GHS04

Signal word Warning

Hazard statements

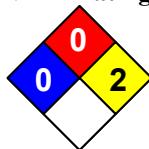
H280 Contains gas under pressure; may explode if heated.

Precautionary statements

P410+P403 Protect from sunlight. Store in a well-ventilated place.

Hazard description:

NFPA Ratings



Health = 0

Fire = 0

Reactivity = 0

HMIS Ratings

HEALTH	0
FLAMMABILITY	2
PHYSICAL HAZARD	2

Section 3 - Composition/Information on Ingredients

Chemical characterization: Mixture

Description: Mixture of the substances listed below with non hazardous additions.

Dangerous components:

75-28-5	Isobutane	⊠ Flam. Gas 1, H220	1-5%
		⊠ Press. Gas, H280	
74-98-6	Butane	⊠ Flam. Gas 1, H220	1-5%
		⊠ Press. Gas, H280	
111-90-0	2-(2-ethoxyethoxy)ethanol	⊠ Eye Irrit. 2A, H319	1-5%

Additional information: For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

Section 4 - First-Aid Measures

General information: No special measures required.

Inhalation: Supply fresh air; consult doctor in case of complaints.

Skin contact: Immediately rinse with water. If skin irritation is experienced, consult a doctor.

Eye contact: Rinse opened eye for several minutes under running water. Remove contact lenses if worn.

Seek medical treatment in case of complaints.

Ingestion: Unlikely route of exposure. Do not induce vomiting; immediately call for medical help.

Information for doctor: Most important symptoms and effects, both acute and delayed Breathing difficulty.

Danger: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

Section 5 - Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: None.

Special hazards arising from the substance or mixture: Danger of receptacles bursting because of high vapor pressure if heated.

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

Additional information: Cool endangered receptacles with water spray. If aerosols are bursting, stay clear until safe.
Aerosol containers can be projectiles when bursting.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Pick up mechanically. Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal.

Section 7 - Handling and Storage

Handling:

Precautions for safe handling:

Use only in well ventilated areas.

Pressurized container: Do not pierce or burn, even after use.

Information about protection against explosions and fires: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use. Flammable gas-air mixtures may be formed in empty receptacles.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

Specific end use(s): No further relevant information available.

Section 8 - Exposure Controls/Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

75-28-5	Isobutane	TLV (USA)	Short-term value: 2370 mg/m ³ , 1000 ppm
		EV (Canada)	Long-term value: 800 ppm
		LMPE (Mexico)	Long-term value: 1000 ppm
		REL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
74-98-6	Propane	REL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
		TLV (USA)	refer to Appendix F
		EL (Canada)	Long-term value: 1000 ppm
		EV (Canada)	Long-term value: 1.000 ppm
		LMPE (Mexico)	Long-term value: 1000 ppm
111-90-0	2-(2-ethoxyethoxy)ethanol	WEEL (USA)	Long-term value: 25 ppm
		EV (Canada)	Long-term value: 165 mg/m ³ , 30 ppm

Additional information: No further relevant information available.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes.

Avoid close or long term contact with the skin.

Engineering controls: No further relevant information available.

Breathing equipment: Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation.
For spills, respiratory protection may be advisable.

Protection of hands:



Protective gloves

Gloves not required under normal conditions of use.

Wear protective gloves to handle contents of damaged or leaking units.

Eye protection: Contact lenses should not be worn.



Safety glasses

Body protection: Protective work clothing

Limitation and supervision of exposure into the environment: No further relevant information available.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance: Form: Aerosol Color: Clear **Odor:** Mild **Odor threshold:** Not Determined **pH-value:** 9-10

Change in condition

Melting point/Melting range: Not applicable, as aerosol.

Boiling point/Boiling range: Not applicable, as aerosol.

Flash point: Not applicable, as aerosol.

Flammability (solid, gaseous): Not applicable

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Auto igniting: Product is not self-igniting

Danger of explosion: Not determined

Explosion limits: **Lower:** Not determined

Upper: Not determined

Vapor pressure: Not determined

Density: 1 g/cm³ (8.345 lbs/gal)

Relative density: Not determined

Vapour density: Not determined

Evaporation rate: Not applicable

Solubility in / Miscibility with Water: Fully miscible

Partition coefficient (n-octanol/water): Not determined

Viscosity: **Dynamic:** Not determined

Kinematic: Not determined

Other information: No further relevant information available.

Section 10 - Stability and Reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided: Pressurized container: Do not pierce or burn, even after use.

Possibility of hazardous reactions: Reacts with strong oxidizing agents.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide. Hydrocarbons.

Section 11 - Toxicological Information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification: None.

Primary irritant effect: **Skin:** No irritant effect.

Eye: Based on available data, the classification criteria are not met.

Sensitization: No sensitizing effects known.

Additional toxicological information:

Carcinogenic categories:

NTP (National Toxicology Program): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

Probable Routes of Exposure: Inhalation. Eye contact. Skin contact.

Repeated Dose Toxicity: No further relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Section 12 - Ecological Information

Toxicity **Aquatic toxicity:** No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems: **Bioaccumulative potential:** No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Other adverse effects: No further relevant information available.

Section 13 - Disposal Considerations

Waste treatment methods :

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.


The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

Section 14 - Transport Information

UN-Number DOT, ADR, ADN, IMDG, IATA UN1950
UN proper shipping name Aerosols, non-flammable

 Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal)

DOT Aerosols
ADR 1950 AEROSOLS
IMDG AEROSOLS
IATA Aerosols, non-flammable

Transport hazard class(es)

DOT, ADR, IMDG, IATA



DOT Class: 2 Gases Label: 2.2
ADR Class: 2 5A Gases Label: 2.2
IMDG, IATA Class: 2 Gases Label: 2.2
Packing group DOT, ADR, IMDG, IATA Not Regulated
Environmental hazards: Marine pollutant: No
Special precautions for user Warning: Gases
EMS Number: F-D,S-U

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

Transport/Additional Information:

DOT Quantity limitations On passenger aircraft/rail: 75 kg
On cargo aircraft only: 150 kg
ADR Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
IMDG Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

UN "Model Regulation": UN1950, Aerosols, 2.2

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

United States (USA)

SARA Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California)

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

State Right to Know Listings: None of the ingredients is listed.

Canadian substance listings:

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%): None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%): 111-90-0 2-(2-ethoxyethoxy)ethanol

Other regulations, limitations and prohibitive regulations: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16 - Other Information

All statements, information, and data provided in this SDS are believed to be accurate and reliable based on current information, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied, on our part, and shall not establish a legally valid contractual relationship. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. Nothing contained herein is intended as permission, inducement or recommendation to violate any laws or to practice any invention covered by existing patents.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Gas 1: Flammable gases, Hazard Category 1

Press. Gas: Gases under pressure: Compressed gas