

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 04/10/2023

Reviewed on 04/10/2023

1 Identification

- **Product Identifier**
- **Trade Name: Low Density Polyethylene Foam**
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Foamed closed cell thermoplastic sheets.
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Foampak
1901-C Logan Avenue
Winnipeg, Manitoba R2R OH 6
www.palgroup.ca
Phone: (204) 694-1333
Fax: (204) 694-2933
- **Emergency telephone number:** (204) 694-1333

* 2 Hazard(s) Identification

- **Classification of the substance or mixture:**
The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
- **Label elements:**
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material
- **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.
2 % of the mixture consists of component(s) of unknown toxicity.
- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

- **Chemical characterization: Substance**
- **Description:**
CAS: 9002-88-4 Polyethylene 92-100%
CAS: 75-28-5 Isobutane <2%
CAS: 504-40-5 Glycerol Mono/Di-Stearate <4%
CAS: 13463-67-7 Titanium Dioxide <1%
CAS: 14807-96-6 Magnesium Sodium Fluoride Silicate <1%

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Trade Name: Low Density Polyethylene Foam**Dangerous Components:**

CAS: 75-28-5	Isobutane	≤2%
RTECS: TZ 4300000	Flammable Gases 1, H220; Gases under Pressure - Compressed gas, H280	

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

Description of first aid measures

- General information:** No special measures required.
- After inhalation:** Not anticipated under normal use.
- After skin contact:**
Generally, the product does not irritate the skin.
If skin irritation occurs, consult a doctor.
- After eye contact:**
Not expected as a result of exposure to finished product.
If eye irritation occurs, consult a doctor.
- After swallowing:** Not anticipated under normal use.
- Information for doctor**
- Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-Fighting Measures

- Extinguishing media**
- Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents:** No further relevant information.
- Special hazards arising from the substance or mixture:** No further relevant information available.
- Advice for firefighters**
- Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures:** Not required.
- Environmental precautions:** No special measures required.
- Methods and material for containment and cleaning up:**
Dispose of contaminated material as waste according to section 13.
Dispose of the collected material according to regulations.
- 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 information.

PAC-1:

9002-88-4	Polyethylene	16 mg/m ³
75-28-5	Isobutane	5500* ppm
13463-67-7	Titanium Dioxide	30 mg/m ³

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· PAC-2:		
9002-88-4	Polyethylene	170 mg/m ³
75-28-5	Isobutane	17000** ppm
13463-67-7	Titanium Dioxide	330 mg/m ³
· PAC-3:		
9002-88-4	Polyethylene	1,000 mg/m ³
75-28-5	Isobutane	53000*** ppm
13463-67-7	Titanium Dioxide	2,000 mg/m ³

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:** Maximum storage temperature 71°C (160°F).
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a well ventilated place.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep away from all sources of ignition (sparks, flame, smoking) during storage AND transportation.
May release residual flammable vapours during storage or further processing, as trace amounts of iso-butane may be present.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**

· Components with occupational exposure limits:	
75-28-5 Isobutane	
TLV	Short-term value: 2370 mg/m ³ , 1000 ppm (EX)

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** Not required.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Not required.
- **Limitation and supervision of exposure into the environment:** None

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9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:** Solid

- **Color:** Various

- **Odor:** Odorless

- **Odor threshold:** Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

- **Melting point/Melting range:** Not determined.

- **Boiling point/Boiling range:** Not determined.

- **Flash point:** None

- **Flammability (solid, gaseous):** Not determined.

- **Auto igniting:** 460 °C (860 °F)

- **Decomposition temperature:** Not determined.

- **Ignition temperature:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

- **Lower:** Not determined.

- **Upper:** Not determined.

- **Vapor pressure:** Not applicable.

- **Density:**

- **Relative density:** Not determined.

- **Vapor density:** Not applicable.

- **Evaporation rate:** Not applicable.

- **Solubility in / Miscibility with:**

- **Water:** Insoluble.

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

- **Viscosity:**

- **Dynamic:** Not applicable.

- **Kinematic:** Not applicable.

- **Solvent content:**

- **VOC content:** 2.00 %

- **Solids content:** 90.5 %

- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.

- **Chemical stability:** Stable under normal conditions.

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

· Information on toxicological effects:

· Acute toxicity:

· **LD/LC50 values that are relevant for classification:** No data available.

· Primary irritant effect:

· **On the skin:** No irritating effect.

· **On the eye:** No irritating effect.

· Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· Carcinogenic categories:

· IARC (International Agency for Research on Cancer):

(a) Although IARC has classified titanium dioxide as possible carcinogenic to human (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products which titanium dioxide is bound to other materials, such as in cosmetics or in paints."

(b) OSHA does not regulate Titanium Dioxide as a carcinogen. However, under 29 CFR 1910.1200 the SDS must convey the fact that Titanium Dioxide is a potential carcinogen to rats.

Although IARC has classified Silica / Talc as possibly carcinogenic to humans (3), their summary concludes: "No significant exposure to Silica / Talc is thought to occur during the use of products which Silica \ Talc is bound to other materials such as in cosmetics, paints, inks and other applications where the Silica / Talc presents no respirable hazard"

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

9002-88-4	Polyethylene	3
13463-67-7	Titanium Dioxide	2B
14807-96-6	Talc (Mg3H2(SiO3)4)	3

· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

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.

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- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

*15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
No further relevant information available.
- **SARA (Superfund Amendments and Reauthorization):**

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

9002-88-4 Polyethylene

75-28-5 Isobutane

13463-67-7 Titanium Dioxide

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)**Hazardous Air Pollutants**

None of the ingredients are listed.

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· **California Proposition 65:**

· **Chemicals known to cause cancer:**

13463-67-7	Titanium Dioxide
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· **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 are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **New Jersey Right-to-Know List:**

75-28-5	Isobutane
13463-67-7	Titanium Dioxide
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)

· **New Jersey Special Hazardous Substance List:**

75-28-5	Isobutane	F4
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	CA

· **Pennsylvania Right-to-Know List:**

75-28-5	Isobutane
13463-67-7	Titanium Dioxide
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**

13463-67-7	Titanium Dioxide	A4
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

13463-67-7	Titanium Dioxide
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- **GHS label elements:** Non-Regulated Material
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material

· **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

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

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.



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· **Contact:**

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flammable Gases 1: Flammable gases – Category 1
Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas

· *** Data compared to the previous version altered.**

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