

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name: TechLite Acoustical Foam

Description: Open cell melamine foam, in white or light grey, for use with sound absorption in industrial, residential or architectural applications.

TechLite Acoustics

2122 West 5th Place
Tempe, AZ 85281

Emergency Telephone: CHEMTREC (800)424-9300

Customer Information: (800)922-5252

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

According to Regulation (EC) No 1272/2008 [CLP]:

No need for classification according to GHS criteria for this product. The product does not require a hazard warning label in accordance with GHS criteria. No specific dangers known, if the regulations/notes for storage and handling are considered.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS-No	Weight Percent
Polymer based on: Melamine Resin	N/A	N/A

SECTION 4 – FIRST-AID MEASURES

INHALATION: If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

INGESTION: Rinse mouth and then drink plenty of water. If difficulties occur: Obtain medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

EYES: If difficulties occur: Wash affected eyes for at least 15 minutes under running water with eyelids held open. If symptoms persist, seek medical advice.

SKIN: Wash thoroughly with soap and water. Consult a doctor if skin irritation persists.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant reaction of the human body to the product known.

Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Water spray, foam, dry powder, carbon dioxide.

Unsuitable extinguishing media for safety reasons: Water jet.

Special hazards arising from the substance or mixture

Carbon monoxide, Carbon dioxide, formaldehyde...%, fumes/smoke, carbon black, toxic gases/vapors
Formation of further decomposition and oxidation products depends upon the fire conditions.

Advice for fire-fighters

Special protective equipment: Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid skin contact and inhalation of dust/aerosol.

Environmental Precautions: Discharge into the environment must be avoided.

Methods and material for containment and cleaning up: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

Reference to other sections: Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling:

Protect against moisture. Avoid dust formation. Processing machines must be fitted with local exhaust ventilation. Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

No special precautions necessary.

Conditions for safe storage, including any incompatibilities:

Further information on storage conditions: Protect against moisture.

Storage stability: May be kept indefinitely if stored properly.

Specific end use(s):

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Components with occupational exposure limits: 50-00-0: formaldehyde...%

Exposure controls:Personal protective equipment

Respiratory protection: Breathing protection if dusts are formed. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1)

Hand protection: Protective gloves against mechanical risks (EN 388)

Eye protection: Required when there is a risk of eye contact. Wear safety glasses.

Body protection: Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures: No special measures necessary if stored and handled correctly. Handle in accordance with good industrial hygiene and safety practice. Hands and/or face should be washed before breaks and at the end of the shift. Consult the company Industrial Hygienist for recommendations on exposure testing and personal protective equipment.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Form: blocks, foam material, sheets

Color: various, depending on the colourant

Odor: odorless

Odor threshold: not determined

pH value: not applicable

Melting point: The substance / product decomposes therefore not determined.

Boiling range: The substance / product decomposes therefore not determined.

Flash point: The substance / product decomposes therefore not determined.

Evaporation rate: Not applicable - the product is a non-volatile solid.

Flammability: Not highly flammable.

Lower explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Upper explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Ignition temperature: >580°C [1076°F]

Vapor pressure: not applicable

Density: Approximately 4-12 g/l (20°C, 1,013 hPa)

Relative density: Approximately 0.004 - 0.012 (20 °C, 1,013 hPa)

Solubility in water: not soluble (20 °C, 1,013 hPa)

Partitioning coefficient n-octanol/water (log Kow): not applicable

Self-ignition: not self-igniting

Thermal decomposition: >350°C

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Other Information:

Self-heating ability: It is not a substance capable of spontaneous heating.

Bulk density: Not applicable

The product can absorb up to 100 times its own weight of fluid.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability: The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions: The product is stable if stored and handled as prescribed/indicated.

Conditions to avoid: Avoid humidity.

Incompatible materials: Substances to avoid: strong acids, strong oxidizing agents, Halogens/
halogenation agents

Hazardous decomposition products: Possible decomposition products: At prolonged and/or strong thermal stressing above the decomposition temperature dangerous decomposition products can be formed.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Experimental/calculated data:
LD50 rat (oral): > 5,000 mg/kg

Irritation: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant

Respiratory/Skin sensitization: There is no evidence of a skin-sensitizing potential. A sensitizing effect on particularly sensitive individuals cannot be excluded.

Germ cell mutagenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Carcinogenicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. There is no formation of respirable dust during intended uses. However, if dust formation occurs at processing/finishing processing steps like regranulation, mechanical machining (for example drilling, grinding etc.), occupational protection regulations have to be considered. No carcinogenic potential can be deduced from other studies with rats and mice.

Reproductive toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Repeated Dose Toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Other relevant toxicity information: Based on our experience and the information available, no adverse health effects.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Assessment of aquatic toxicity: There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product.

Persistence and degradability

Assessment biodegradation and elimination (H₂O): The polymer component of the product is poorly biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants. In accordance with the required stability the product is not readily biodegradable. The product has not been tested. The statement has been derived from the structure of the product.

Bioaccumulative potential

Bioaccumulation potential: Because of the product's consistency and low water solubility, bioavailability is improbable.

Mobility in soil: Assessment transport between environmental compartments: Adsorption in soil: Study scientifically not justified.

Results of PBT and vPvB assessment: The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

Other adverse effects: The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

Additional information: Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

SECTION 13 – DISPOSAL CONSIDERATIONS

PRODUCT: Check for possible recycling. Observe national and local legal requirements.

CONTAMINATED PACKAGING: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product. Completely emptied packaging's can be given for recycling.

SECTION 14 – TRANSPORT INFORMATION

U.S. DOT CLASSIFICATION: Not applicable.

ICAO/IATA: Not applicable.

IMO/IMDG (MARITIME): Not applicable.

SECTION 15 – REGULATORY INFORMATION

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

Chemical Safety Assessment

A safety data sheet for this product is legally not required and is provided by us just as a courtesy to our customers.

Product is not classified as hazardous. Chemical Safety Assessment not required.

SECTION 16 – OTHER INFORMATION

DATE ISSUED	PREPARED BY	REVISION	REVISION SUMMARY
Nov 1,2016	TechLite Acoustics	1.0	Written and published by TechLite Insulation in accordance to OSHA's Hazard Communications Standard CFR29 1910

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