

FINAL FOAM

SECTION 1: IDENTIFICATIONS OF THE SUBSTANCE /MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product form : MIXTURE
 Trade name : FINAL FOAM 450 ML-300 GR
 Type of product : AEROSOL
 Product group : TRADE PRODUCT

1.2. Relevant identified uses of the substance or mixture and uses discouraged

Intended use: Silicone sealant.

1.3. Details of the supplier providing the safety data sheet

Head office: Chasbkaran Sahel Aras Co. 4th Floor, No.2, Mahan Bldg, Mojahedi Alley, Tavanir Blvd, Valiasr, Tabriz, Iran

Phone: +98 (41) 4196

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1.4. Emergency telephone number

In Case Of Emergency : +98 (41) 4196

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]M

Aerosol	H222; H229	On basis of test data
Acute toxicity (inhalation: gas)	H332	Calculation method
Skin corrosion/irritation	H315	Calculation method
Serious eye damage/eye irritation	H319	Calculation method
Sensitisation — Respiratory	H334	Calculation method
Sensitisation — Skin	H317	Calculation method
Carcinogenicity	H351	Calculation method
Specific target organ toxicity — Single exposure	H335	Calculation method
Respiratory tract irritation		
Specific target organ toxicity — Repeated exposure	H373	Calculation method

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazardous ingredients

: Isocyanic acid, polymethylenepolyphenylene ester.

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.

H229 - Pressurized container: May burst if heated.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 - May cause respiratory irritation.

H351 - Suspected of causing cancer.

H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP)

: P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P280 - Wear eye protection, protective clothing, protective gloves, face protection.

P284 - [In case of inadequate ventilation] wear respiratory protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do.

P342+P311 - If experiencing respiratory symptoms:

Call a doctor, a POISON CENTER.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local regional, national and/or international regulation.

P261 - Avoid breathing gas, spray, vapors.

EUH-statements

: EUH204 - Contains isocyanates. May produce an allergic reaction.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Isocyanic acid, polymethylenepolyphenylene ester	(CAS No) 9016-87-9 (REACH-no) 01-2119457014-47	20 - 35	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
isobutane (Note C)(Note U)	(CAS No) 75-28-5 (EC no) 200-857-2 (EC index no) 601-004-00-0 (REACH-no) 01-2119485395-27	2.5 - 10	Flam. Gas 1, H220
dimethyl ether (Note U)	(CAS No) 115-10-6 (EC no) 204-065-8 (EC index no) 603-019-00-8 (REACH-no) 01-2119472128-37	2.5 - 10	Flam. Gas 1, H220 Press. Gas
propane (Note U)	(CAS No) 74-98-6 (EC no) 200-827-9 (EC index no) 601-003-00-5 (REACH-no) 01-2119486944-21	2.5 - 10	Flam. Gas 1, H220 Press. Gas

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note U: When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

First-aid measures general

: If exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact

: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion

: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation

: May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/injuries after skin contact

: Irritation. May cause an allergic skin reaction.

Symptoms/injuries after eye contact

: Eye irritation.

DDSECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

: Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard

: Extremely flammable aerosol.

Explosion hazard

: Pressurized container: May burst if heated.

Hazardous decomposition products
in case of fire

: Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: HANDLING AND STORAGE

6.1. Precautions for safe handling

Precautions for safe handling

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.

Hygiene measures

: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

SECTION 7: EXPOSURE CONTROLS/PERSONAL PROTECTION

7.1. Exposure controls

Appropriate engineering controls

: Ensure good ventilation of the work station.

Hand protection

: Protective gloves.

Eye protection

: Safety glasses.

Skin and body protection

: Wear suitable protective clothing.

Respiratory protection

: Wear respiratory protection.

Environmental exposure controls

: Avoid release to the environment.

SECTION 8: PHYSICAL AND CHEMICAL PROPERTIES

8.1. Information on basic physical and chemical properties

Physical state	Gas
Appearance	Liquid under pressure
Color	Beige
Odor	Characteristic
Flash point	0 °C
Flammability (solid, gas)	Extremely flammable aerosol
Vapor pressure	5 bar
Density	19 - 25 kg/m ³

SECTION 9: STABILITY AND REACTIVITY

9.1. Reactivity

Extremely flammable aerosol. Pressurized container: May burst if heated.

9.2. Chemical stability

Stable under normal conditions.

9.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

9.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

9.5. Incompatible materials

No additional information available.

9.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 10: TOXICOLOGICAL INFORMATION

10.1. Information on toxicological effects

Acute toxicity	: Inhalation: gas: Harmful if inhaled.
ATE CLP (gases)	: 12857.143 ppmv/4h
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Carcinogenicity	: Suspected of causing cancer.

SECTION 11: ECOLOGICAL INFORMATION

11.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms
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EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

SECTION 16: ADDITIONAL INFORMATION

Full text of H- and EUH-statements:	
Acute Tox. (Inhalation)	Acute toxicity (inhale.)
Acute Tox. (Inhalation: gas)	Acute toxicity (inhalation: gas)
Aerosol	Aerosol
Carc.	Carcinogenicity
Eye Irrit.	Serious eye damage/eye irritation
Flam. Gas	Flammable gases
Press. Gas	Gases under pressure
Resp. Sens.	Resp. Sens. 1
Skin Irrit.	Skin corrosion/irritation
Skin Sens.	Sensitisation — Skin
STOT RE	Specific target organ toxicity — Repeated exposure
STOT SE	Specific target organ toxicity — Single exposure
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
EUH204	Contains isocyanates. May produce an allergic reaction