



Safety Data Sheet

According to regulation (EC) no. 1907/2006 (REACH)

Selfoam Gun Grade PU Foam

0966 Gun Grade PU Foam

Version: 00
Rev. Date: 00

1. Identification of the substance/preparation and company

1.1. Identification of the substance/preparation:

Product name: Sel Gun Grade PU Foam – 0966 Gun Grade PU Foam

1.2. Use of the substance/preparation:

Insulation product in construction applications.

1.3. Company Address

SEL Dış Ticaret ve Kimya San. A.Ş.
Fevzi Paşa Mahallesi Kınıklı Mevkii
E-5 Karayolu Üzeri Sel Binası
Değirmenköy/Silivri/İstanbul
Tel: +90 212 735 34 00
Faks: +90 212 735 34 66
E-posta: postmaster@sel.com.tr

1.4. Telephone Number for emergency:

+90 212 735 34 00 / 201-202-203

2. Hazard Identification

2.1. Classification (67/548/EEC,1999/45/EC):



Extremely flammable



harmful

Xn: harmful

F+: extremely flammable

Contains polymethylene polyphenyl polyisocyanate.

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R12:	Extremely flammable
R20:	Harmful by inhalation
R36/37/38:	Irritating to eyes, respiratory system and skin
R40:	Limited evidence of a carcinogenic effect
R42/43:	May cause sensitization by inhalation and skin contact
R48/20:	Harmful: danger of serious damage to health by prolonged exposure through inhalation

2.2. Physico-chemical hazards:

Extremely flammable

2.3. Health hazards:

Harmful by inhalation

Irritating to eyes, respiratory system and skin

Limited evidence of a carcinogenic effect

May cause sensitization by inhalation and skin contact

Harmful: danger of serious damage to health by prolonged exposure through inhalation

2.4. Environmental Hazards:

It is not expected to be hazardous to the environment.

3. Composition/Information on Ingredients

Substance Name	CAS Number	EINECS/ELINCS Number	Classification of Substance		Conc. (%w/w)	Classification in Mixture
			Hazard Symbol	R phrases(*)		
Polymethylene polyphenyl isocyanate	9016-87-9	-	Xn	R20, R36/37/38, R40, R42/43, R48/20	30-50	Xn; R20, R36/37/38, R40, R42/43, R48/20
N-butane	106-97-8	203-448-7	F+	R12	5-10	F+; R12
Propane	74-98-6	200-827-9	F+	R12	1-5	F+; R12
Dimethyl Ether	115-10-6	204-065-8	F+	R12	5-10	F+; R12

* For R phrases in full: see heading 16

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4. First Aid Measures

4.1. In case of eye contact:

Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes)

Seek medical advice.

4.2. In case of skin contact:

Wipe off. Wash affected areas with soap and plenty of water.

If irritation persists, seek medical advice.

4.3. If swallowed:

Do not induce the patient to vomit. Rinse mouth.

Give victim two glasses of water.

Never give anything by mouth to an unconscious person.

Seek medical advice.

4.4. If inhaled:

Take the person into the fresh air.

Seek medical advice.

5. Fire-fighting measures

5.1. Special protective equipment/procedures:

A self-contained respirator and protective clothing should be worn.

Mask and chemical resistant personal protective equipment should be used.

Determine the need to evacuate or isolate the area according to your local emergency plan.

5.2. Hazards during fire fighting

On burning may emit toxic fumes.

5.3. Suitable extinguishing media:

Water fog (if unavailable fine water spray), foam, dry chemical or carbon dioxide can be used.

5.4. Unsuitable extinguishing media:

Not known.



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5.5. Hazards combustion products:

The risk of toxic pyrolysis products.

Composed as a result of burns: Hydrogen cyanide (HCN), nitrogen oxides (NOX)

6. Accidental Release Measures

6.1. Spill / Leak:

Avoid contact with.

Ventilate the area with fresh air.

Stop the leak if there is no risk.

6.2. Personal precautions:

Use personal protective equipment (protective gloves, work clothes and glasses)

Provide adequate ventilation.

Keep away from sources of ignition.

Smoking is prohibited.

6.3. Methods for cleaning up:

Clean away leakage mechanically;

cover leakage with damp absorbent material

(eg: sawdust, reactive chemical binders based on calcium hydrate silicate, sand).

After 1 hour, collect in a waste container.

Do not close (it develops carbon dioxide).

Keep humid and leave for many days in the open air, in a controlled area.

Further disposal by incineration in accordance with local laws in force.

6.4. Environment related measures:

Collect the resulting residue containing solution.

Place in a closed container approved for transportation by appropriate authorities.

Dispose of collected material as soon as possible.

Prevent the spilled material to leak and contact with garbage, canals and sewage

If the product has caused environmental pollution (sewers, waterways, soil or air),

inform the relevant authorities.



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7. Handling and Storage

7.1. Usage:

ADVICE ON SAFE HANDLING:

Provide good room ventilation even at ground level (vaporous are heavier than air)

Handle with care-avoid shock, friction and impact.

ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION:

Emergency cooling must be provided for the eventuality of a fire in the vicinity.

Keep away from sources of ignition-refrain from smoking.

7.2. Storage:

REQUIREMENTS FOR STORAGE ROOMS AND VESSELS:

Store in a cool and dry place

Storage Temperature: <50 °C

ADVICE ON STORAGE COMPALIBILITY:

Do not store together with oxidizing agents.

Do not store with combustible materials.

Keep away from acids and bases.

FURTHER INFORMATION ON STORAGE CONDITIONS:

Protect from heat / overheating.

Heat causes increase in pressure and risk of bursting.

8. Exposure Controls/Personal Protection

8.1. Engineering Controls:

Contains Polymethylene polyphenyl isocyanate and propane/butane and DME gases.

Use general dilution ventilation and/or local exhaust ventilation.

If ventilation is not adequate, use respiratory protection equipment.

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8.2. Personal Protection Equipment

Eyes: Avoid eye contact. Safety goggles should be worn.

Skin: Avoid skin contact.

Chemical resistant gloves should be worn.

(Recommended: Butyl rubber / nitrile rubber gloves -EN 368)

Respiratory: Avoid breathing of vapors.

Respiratory protection should be used.

In case of long-term interactions, fresh air mask should be used.

8.3. Hygiene Measures:

Avoid contact with eyes.

Especially in confined places, make sure you have proper ventilation.

Follow good industrial hygiene and safety practice.

Especially before eating, drinking or smoking, wash hands.

While using the product, do not drink, eat or smoke.

8.4. Environmental exposure controls:

Refer to section 6 and 12.

9. Physical and Chemical Properties:

9.1. Appearance: Aerosol

9.2. Important Health, Safety and Environmental Information:

Flash Point: 104°C (based on propellant)

Decomposition Temperature: n.a.

Viscosity: n.a.

Explosion Limits: n.a.

Water Solubility: Not compatible.

Density: 15+/-2 kg/m³

Vapor Pressure: n.a.

Vapor Density: n.a.

Evaporation Rate: n.a.

Melting Point: n.a.

Boiling Point: n.a.



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Partition Coefficient (n-octanol/water):	n.a.
Autoignition Temperature:	n.a.

The above information is not intended for use in preparing product specifications.

10. Stability and Reactivity

10.1. Chemical Stability:
Stable under normal usage conditions.
Unstable on exposure to heat.

10.2. Incompatible Substances:
Unknown.

10.3. Dangerous Reactions:
The risk of explosion.

10.4. Conditions to Avoid:
Keep away from ignition sources, acids and bases.
Containers may explode at temperatures above 50 °C

11. Toxicological Information

11.1. In case of Inhalation:
May cause allergic respiratory response.
MDI concentrations below the exposure guidelines may cause allergic respiratory reactions in individuals already sensitized.
Asthma-like symptoms may include coughing, difficult breathing and a feeling of tightness in the chest.
Occasionally, breathing difficulties may be life threatening.

11.2. In case of eye contact:
May cause eye irritation.

11.3. In case of skin contact:
Repeated contact can cause allergic reactions.

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11.4. In case of ingestion:

May cause mouth, throat and stomach irritation.

11.5. Other Information:

Chronic Toxicity:

Prolonged or repeated exposure may cause central nervous system damage.

Tissue injury in the upper respiratory tract and lungs has been observed in laboratory animals after repeated excessive exposures to MDI/polymeric MDI aerosols.

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

Carcinogenicity:

There are no known carcinogenic chemicals in this product.

Mutagenicity:

Contains no known mutagenetic chemicals.

Reproductive Toxicity:

This product does not contain any known or suspected reproductive hazards.

Target Organ Effects:

Contains component(s) that have been reported to cause effects on the following organs in animals:

Liver, kidney

12. Ecological Information

12.1. General:

Movement and Partitioning:

In the aquatic environment, movement is expected to be limited by its reaction with water forming predominantly insoluble polyureas.

Persistence and Degradability:

In the aquatic environment, movement is expected to be limited by its reaction with water forming predominantly insoluble polyureas (which appear to be stable). In the atmospheric environment, material is expected to have a short tropospheric half-life, based on calculations and by analogy with related diisocyanates.

13. Disposal Considerations:

13.1. Product Disposal:

Dispose of in accordance with local regulations.

13.2. Packing Disposal:

Dispose of in accordance with local regulations.

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14. Transport Information:

14.1. Road /Rail (ADR/RID):

ADR/RID Class: 2
UN Number: UN 1950
Division/Group: 5 A
Definintion: Aerosol

14.2. Sea Transport (IMDG):

IMDG Class: 2
UN Number: UN 1950
Division/Group: 5 A
EmS: 2-13
MFAG: 620(1998 edit)
Marine pollutant: no
Definition: Aerosol

14.3. Air Transport (IATA):

IATA /ICA Class: 2
UN Number: UN 1950
Division/Group: 5 A
Definition: Aerosol

15. Regulatory Information:

15.1. Labeling:



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harmfull

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15.2. Contains:

- Polymethylene polyphenyl polyisocyanate
- N-butane
- Propane
- DME

15.3. R-Phrases:

- R12: Extremely flammable
 R20: Harmful by inhalation
 R36/37/38: Irritating to eyes, respiratory system and skin
 R40: Limited evidence of a carcinogenic effect
 R42/43: May cause sensitization by inhalation and skin contact
 R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation

15.4. S- Phrases:

- S2: Keep out of the reach of children
 S16: Keep away from sources of ignition - No smoking
 S23: Do not breathe gas/fumes/vapour/spray
 S36/37/39: Wear suitable protective clothing, gloves and eye/face protection
 S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
 S51: Use only in well-ventilated areas
 S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest

15.5. National Legislation/Regulations:

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)



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16. Other Information

16.1. Information Sources:

This SDS is prepared based on the information received from the suppliers.

16.2. Issued By:

Gülizar Çiçek MÜJDECİ

Certificated from the Turkish Standards Institute (TSE) to prepare Safety Data Sheets

Tel: +90 212 735 34 00

16.3. Full text of R-phrases referred to under sections 2 and 3

R12: Extremely flammable

R20: Harmful by inhalation

R36/37/38: Irritating to eyes, respiratory system and skin

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16.4. Additional Information

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Product Safety Data Sheet to their own Product Safety Data Sheet.



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All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary –even for the same product – between different countries, reflecting the different compliance requirements.