

SDS# 01714, 01724

Date: July 2020

Total Pages: 12

Foam Sealant

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Foam Sealant

Catalog Number: 01714, 01724

Manufactured by: AKKİM YAPI KİMYASALLARI SANAYİ ve TİCARET A.Ş.

Yeşilbayır mahallesi Şimşir sokak No:22

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EMERGENCY Phone No.: +90 2127711371 National Poisons Information Service (Newcastle Centre), UK

SDS DATE REVISED: 06/23/2020

SECTION 2. HAZARDOUS IDENTIFICATION

GHS Classification:

Flammable Aerosol	Category 1
Acute Toxicity	Category 4
Skin Irritation	Category 2
Eye Irritation	Category 2
Respiratory	Category 1
Skin Sensitivity	Category 1
Carcinogenicity	Category 2
Specific Target Organ Toxicity	Single exposure, Category 3, Respiratory tract irritation
Specific target organ toxicity	Repeated exposure, Category 2

Label Elements:



Signal Word: Danger!

Hazardous ingredients

Isocyanic acid, polymethylenepolyphenylene ester

Hazard Statement(s)

H222	Extremely flammable aerosol.
H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
H332	Harmful if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s)

P102	Keep out of reach of children
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P251	Pressurized container: Do not pierce or burn, even after use.
P211	Do not spray on an open flame or other ignition source.
P280	Wear protective gloves / eye 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. Continue rinsing

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SECTION 2. HAZARDOUS INGREDIENTS INFORMATION (cont.)

Precautionary Statement(s) cont.

P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
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, vapours
EUH-statements	EUH204 - Contains isocyanates. May produce an allergic reaction
Child-resistant fastening	Not applicable
Tactile warning	Applicable

Additional information:

Contains isocyanates. May produce an allergic reaction.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

SECTION 3. HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS No.	EINECS No.	% or Range	GHS Classification
isocyanic acid, polymethylenepolyphenylene ester	9016-87-9		20-35%	H332 Acute Tox. 4 (Inhalation) H315 Skin Irrit. 2 H319 Eye Irrit. 2 H334 Resp. Sens. 1 H317 Skin Sens. 1 H351 Carc. 2 H335 STOT SE 3 H373 STOT RE 2,
isobutane	75-28-5		2.5 - 10%	H220: Flam. Gas
dimethyl ether	115-10-6	204-065-8	2.5 - 10%	H220: Flam. Gas H280: Press. Gas
propane	74-98-6	200-827-9	2.5 - 10%	H220: Flam. Gas H280: Press. Gas

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.

Foam Sealant

SECTION 4. FIRST AID MEASURES cont.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

5.1 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

Pressurised 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. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

6.1.1. For non-emergency personnel

Emergency procedures

Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3 Methods and Material for Containment and Clean-Up

Methods for cleaning up

Recover mechanically the product. Notify authorities if product enters sewers or public waters.

6.4 Other information

Dispose of materials or solid residues at an authorized site.

Reference to other sections

For further information, refer to section 13.

SECTION 7. HANDLING AND STORAGE

7.1 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/vapours/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.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Storage conditions

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

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SECTION 7. HANDLING AND STORAGE cont.

7.3. Specific end use(s)

No additional information available

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Germany	Local name	pMDI(alsMDIberechnet)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	0.05 mg/m ³
Germany	Remark (TRGS 900)	DFG,H,Sah,Y,12

DNEL/DMEL (Workers)

Acute - systemic effects, dermal ≈ mg/kg bodyweight/day

8.2 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 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state

Gas

Appearance

Liquid under pressure

Color

Light yellow

Odor

Characteristic

Odor threshold

No data available

pH

No data available

Relative evaporation rate (butyl acetate=1)

No data available

Melting point

No data available

Freezing point

No data available

Boiling point

No data available

Flash point

0 °C

Foam Sealant

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES cont.

9.1 Information on basic physical and chemical properties cont.

Auto-ignition temperature

No data available

Decomposition temperature

No data available

Flammability (solid, gas)

Extremely flammable aerosol

Vapor pressure

5 bar

Relative vapor density at 20 °C

No data available

Relative density

No data available

Density

19 - 25 kg/m³

Solubility

No data available

Log Pow

No data available

Viscosity, kinematic

No data available

Viscosity, dynamic

No data available

Explosive properties

Pressurised container: May burst if heated.

Oxidising properties

No data available

Explosive limits

No data available

9.2 Other information

VOC content

< 2 g/l

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

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

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to Avoid

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

10.5 Incompatible Materials

No additional information available.

10.6 Hazardous Decomposition Products

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

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Inhalation:gas: Harmful if inhaled.

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Duluth, GA 30097

Chemical Emergency: P +90 2127711371
P 678.542.3600
F 678.542.3700

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SECTION 11. TOXICOLOGICAL INFORMATION cont.

11.1 Information on toxicological effects cont.

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.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Not classified.

Specific target organ toxicity (single exposure)

May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Not classified.

Vaporizer

Aerosol

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - general

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

No additional information available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14. TRANSPORTATION INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number**UN-No. (ADR)**

1950

UN-No. (IMDG)

1950

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SECTION 14. TRANSPORTATION INFORMATION cont.

14.1. UN number cont.

UN-No. (IATA)

1950

UN-No. (ADN)

1950

UN-No. (RID)

1950

14.2. UN proper shipping name

Proper Shipping Name (ADR)

AEROSOLS

Proper Shipping Name (IMDG)

AEROSOLS

Proper Shipping Name (IATA)

Aerosols, flammable

Proper Shipping Name (ADN)

AEROSOLS

Proper Shipping Name (RID)

AEROSOLS

Transport document description (ADR)

UN 1950 AEROSOLS, 2.1, (D)

Transport document description (IMDG)

UN 1950 AEROSOLS, 2.1

Transport document description (IATA)

UN 1950 Aerosols, flammable, 2.1

Transport document description (ADN)

UN 1950 AEROSOLS, 2.1

Transport document description (RID)

UN 1950 AEROSOLS, 2.1

14.3. Transport hazard class(es)

ADR**Transport hazard class(es) (ADR)**

2.1

Danger labels (ADR)

2.1

**IMDG****Transport hazard class(es) (IMDG)**

2.1

Danger labels (IMDG)

2.1

**IATA****Transport hazard class(es) (IATA)**

2.1

Hazard labels (IATA)

2.1

**ADN****Transport hazard class(es) (ADN)**

2.1

Danger labels (ADN)

2.1

**RID****Transport hazard class(es) (RID)**

2.1

Danger labels (RID)

2.1



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SECTION 14. TRANSPORTATION INFORMATION cont.

14.4. Packing group

Packing group (ADR)

Not applicable

Packing group (IMDG)

Not applicable

Packing group (IATA)

Not applicable

Packing group (ADN)

Not applicable

Packing group (RID)

Not applicable

14.5. Environmental hazards

Dangerous for the environment

No

Marine pollutant

No

Other information

No supplementary information available

14.6. Special precautions for user

Overland transport**Classification code (ADR)**

5F

Special provisions (ADR)

190, 327, 344, 625

Limited quantities (ADR)

11

Excepted quantities (ADR)

E0

Packing instructions (ADR)

P207, LP02

Special packing provisions (ADR)

PP87, RR6, L2

Mixed packing provisions (ADR)

MP9

Transport category (ADR)

2

Special provisions for carriage - Packages (ADR)

V14

Special provisions for carriage - Loading, unloading and handling (ADR)

CV9, CV12

Special provisions for carriage - Operation (ADR)

S2

Tunnel restriction code (ADR)

D

Transport by sea**Special provisions (IMDG)**

63, 190, 277, 327, 344, 959

Foam Sealant

SECTION 14. TRANSPORTATION INFORMATION cont.

14.6. Special precautions for user cont.

Transport by sea cont.

Limited quantities (IMDG)

SP277

Excepted quantities (IMDG)

E0

Packing instructions (IMDG)

P207, LP02

Special packing provisions (IMDG)

PP87, L2

EmS-No. (Fire)

F-D

EmS-No. (Spillage)

S-U

Stowage category (IMDG)

None

Stowage and handling (IMDG)

SW1, SW22

Segregation (IMDG)

SG69

MFAG-No

126

Air transport

PCA Excepted quantities (IATA)

E0

PCA Limited quantities (IATA)

Y203

PCA limited quantity max net quantity (IATA)

30kgG

PCA packing instructions (IATA)

203

PCA max net quantity (IATA)

75kg

CAO packing instructions (IATA)

203

CAO max net quantity (IATA)

150kg

Special provisions (IATA)

A145, A167, A802

ERG code (IATA)

10L

Inland waterway transport

Classification code (ADN)

5F

Special provisions (ADN)

190, 327, 344, 625

Limited quantities (ADN)

1 L

Excepted quantities (ADN)

E0

Foam Sealant

SECTION 14. TRANSPORTATION INFORMATION cont.

14.6. Special precautions for user cont.

Inland waterway transport cont.

Equipment required (ADN)

PP, EX, A

Ventilation (ADN)

VE01, VE04

Number of blue cones/lights (ADN)

1

Rail transport

Classification code (RID)

5F

Special provisions (RID)

190, 327, 344, 625

Limited quantities (RID)

1L

Excepted quantities (RID)

E0

Packing instructions (RID)

P207, LP02

Special packing provisions (RID)

PP87, RR6, L2

Mixed packing provisions (RID)

MP9

Transport category (RID)

2

Special provisions for carriage - Packages (RID)

W14

Special provisions for carriage - Loading, unloading and handling (RID)

CW9, CW12

Colis express (express parcels) (RID)

CE2

Hazard identification number (RID)

23

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content

< 2 g/l

15.1.2. National regulations

Germany

VwVwS Annex reference

Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Foam Sealant

SECTION 15. REGULATORY INFORMATION cont.

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

15.1.1. EU-Regulations cont.

Netherlands

SZW-lijst van kankerverwekkende stoffen

None of the components are listed

SZW-lijst van mutagene stoffen

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling

None of the components are listed

Denmark

Class for fire hazard

Class I-1

Store unit

1 liter

Classification remarks

F <Aerosol 1>; Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation

Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with the product

Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material

The requirements from the Danish Working Environment Authorities regarding work with epoxy resins and isocyanates must be observed during use and disposal

The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16. OTHER INFORMATION

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 4
Aerosol 1	Aerosol, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Press. Gas	Gases under pressure
Resp. Sens. 1	Sensitisation — Respiratory, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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

Foam Sealant

SECTION 16. OTHER INFORMATION cont.

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

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.