

MATERIAL SAFETY DATA SHEET

ABC 880 FILL&FIX POLYURETHANE FOAM GUN TYPE

01 IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1. Product Identifier:

Product Trade Name: ABC 880 FILL&FIX POLYURETHANE FOAM GUN TYPE

1.2. Relevant Identified Uses of the Mixture and Uses Advised Against:

Product Use: Adhesive foam.

1.3. Details of the Supplier of the Safety Data Sheet:

Company : ABC KIMYA SAN. VE DIS TIC. A.S.

Address : ORTAKOY SANAYI SITESI, ILTER BULVARI, NR: 16 SİLİVRİ-İSTANBUL/TÜRKİYE

Telephone/Fax Number: +90 212 4221356/57 - +90 212 734 39 48 +90 212 4221358

Mail/Web : www.abcsealants.com

1.4. Emergency Telephone Number: +90 212 4221356/57 -on weekdays 08:00am-6:00pm

02 HAZARDS IDENTIFICATION

2.1. Classification of the Mixture**2.1.1. Classification According to Regulation (EC) No 1272/2008 (CLP/GHS)**

Aerosols, Category 1, H222-H229.

Skin Corrosion/Irritation, Category 2, H315.

Skin Sensitization Category 1, H317.

Serious Eye Damage/Irritation, Category 2A, H319.

Respiratory Sensitization Category 1, H334.

Specific Target Organ Toxicity, SE, Category 3, H335.

Carcinogenicity, Category 2, H351.

Specific Target Organ Toxicity, RE, Category 2, H373.

2.2. Label Elements**Labelling According to Regulation (EC) No 1272/2008 (CLP/GHS)**

Signal Word: Danger

Pictograms or Hazard Symbols**2.2.1. Hazard Statements**

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.

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.

2.2.2. Precautionary Statements**2.2.2.1. Prevention**

P102-Keep out of reach of children.

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

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P211-Do not spray on an open flame or other ignition source. P251-Do not pierce or burn, even after use.
P261-Avoid breathing gas/vapours/spray.
P280-Wear protective gloves/protective clothing/eye protection/face protection.

2.2.2.2. Response

P304+P312-IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352-IF ON SKIN: Gently wash with plenty of soap and water.

2.2.2.3. Disposal

P501-Dispose of contents/container through a waste management company authorized by the local government.

2.2.2.4. Storage

P410+412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other Hazards

2.3.1. Physical Hazards

Aerosols, Category 1.

2.3.2. Health Hazards

Skin Corrosion/Irritation, Category 2.
Skin Sensitization Category 1.
Serious Eye Damage/Irritation,
Category 2A. Respiratory Sensitization
Category 1.
Specific Target Organ Toxicity, SE,
Category 3. Carcinogenicity, Category 2.
Specific Target Organ Toxicity, RE, Category 2.

2.3.3. Environmental Hazards

Not applicable.

2.4. Information Concerning Particular Hazards for Human and Environment

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

2.5. Additional Informations

Please look over section 11 for toxicological information. Full text of H- and EUH- phrases: See section 16.

03**COMPOSITION / INFORMATION ON INGREDIENTS**

Description: Mixture of substances listed below with nonhazardous additions.

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| Ingredients | CAS No. | EC Number REACH-Reg No. | Conc. (% w/w) | Classification (CLP) |
|-----------------------------------------------|------------|------------------------------------|------------------|----------------------------------------------------|
| Polyurethane prepolymer | NA | NA | 30-60 | Not classified |
| Diphenylmethanediisocyanat isomers homologues | 9016-87-9 | NA 01-2119457014-47-0011 | 20-35 | H315, H317, H319,H332, H334 H335, H373, H351 |
| Butane Dimethyl ether | 106-97-8 | 203-448-7 | 2.5-10 | H220, H280 |
| Dimethyl ether | 115-10-6 | 200-662-2 | 2.5-10 | H220, H280 |
| Propane | 74-98-6 | 200-827-9 | 2.5-10 | H220, H280 |
| Tris(2-chloro-1-methylethyl) phosphate | 13674-84-5 | 237-158-7 01-2119447716-31-0000 | 2-10 | H302 |

04 FIRST AID MEASURES

4.1. Description of First Aid Measures:

General Advice: Symptoms of poisoning may even occur after several hours; therefore medical observation is recommended for at least 48 hours after the accident.

If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Take medical advice if you feel unwell.

Incase of Skin Contact: Wash skin with plenty of water for at least 15 minutes. Wash your hands thoroughly with soap and water. Do NOT use solvents or thinners.

Incase Eye Contact: Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If eye irritation persists, take medical advice.

If Swallowed: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with plenty of water. Consult a physician and show this container or label.

4.2. Important Symptoms and Effects of Both Acute and Delayed: No data available.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed: No data available.

05 FIRE FIGHTING MEASURES

5.1. Extinguishing Media:

-Suitable Extinguishing Media: Water spray, alcohol-resistant foam, dry powder or carbon dioxide.

-Unsuitable Extinguishing Media: High volume water jet.

5.2. Special Hazards Arising From the Mixture: Hazardous decomposition products may be formed under fire conditions. Exposure to decomposition products may be a hazard to health. Use water spray to cool unopened containers. If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.

5.3. Advice for Firefighters: According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks. Isolate from heat, electrical equipment, sparks and opened flame. Wear self-contained breathing apparatus.

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06 ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures: Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin and eyes. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Immediately evacuate personnel to safe areas.

6.2. Environmental Precautions: Do not allow to escape into waterways, wastewater or soil.

6.3. Methods and Materials for Containment and Cleaning Up: Collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite). Clean contaminated surface thoroughly. Keep in suitable, closed containers for disposal according to local / national regulations.

6.4. Reference to Other Sections: See section: 7, 8, 11, 12 and 13.

07 HANDLING AND STORAGE

7.1. Precautions for Safe Handling:

Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Keep away from heat and sources of ignition. Do not spray on a naked flame or any incandescent material. Do not smoke. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Take precautionary measures against static discharges. Use appropriate container to avoid environmental contamination.

7.2. Conditions for Safe Storage, Including Any Incompatibilities:

Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Please observe the storage instructions for aerosols. Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Keep away from food, drink and animal feeding stuffs. Do not store together with oxidizing and self-igniting products.

7.2.1. Pressurized Container:

Aerosol is pressurized. 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. Do not open by force or throw into fire even after use. Protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Keep out of the reach of children.

7.3. Specific End Use(s): No data available.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control Parameters:

8.2. Exposure Controls:

| Component | CAS Number | Value Type | Control Parameters | Basis |
|---------------------------------|------------|------------|----------------------------------|-------|
| Diisocyanate isomers homologues | 9016-87-9 | TWA | 0.005 ppm | ACGIH |
| Butane | 106-97-8 | TWA | 1 ppm | ACGIH |
| Dimethyl ether | 115-10-6 | OEL-8 hr | 1920 mg/m ³ -1000 ppm | ITA |
| Propane | 74-98-6 | TWA | 1 ppm | ACGIH |

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8.2.1. Engineering Controls: Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

8.2.2. Personal Protective Equipments:

Eye Protection: Safety glasses with side shields or chemical splash goggles.

Skin Protection: Wear suitable flame retardant antistatic protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand Protection: Butyl rubber/nitrile rubber gloves.

Respiratory Protection: Use appropriate respiratory protective device in case of insufficient ventilation. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

8.2.3. Environmental Exposure Controls: Do not flush into sanitary sewer systems/ surface water or ground water.

09 PHYSICAL AND CHEMICAL PROPERTIES

9.1. General Information:

Appearance: Aerosol liquid

Colour: Light yellow (foam colour)

Odour: Characteristic

Odour Threshold: No data available.

Ph: No data available.

Melting/Freezing Point: No data available.

Boiling Point/Boiling Range: No data available.

Flash Point: 0°C (Closed can)

Evaporation Rate: No data available.

Flammability: Flammable.

Explosion Lower/Upper Limits: No data available.

Vapour Pressure: 5 Bar/+20° C

Viscosity: No data available.

Specific Gravity: 19±3 Kg/ m³

Bulk Density: No data available.

Solubility: No data available.

Partition Coefficient:n-octanol/water: No data available.

Auto-Ignition Temperature: No data available.

Decomposition Temperature: No data available.

Flow Time: No data available.

Explosive Properties: Containing pressurized gas; may explode if heated.

Oxidising Properties: Not oxidizing.

9.2. Other Informations:

VOC: 18%

10 STABILITY AND REACTIVITY

10.1. Reactivity: No data available.

10.2. Chemical Stability: The product is chemically stable under normal usage conditions.

10.3. Possibility of Hazardous Reactions: No hazardous reactions known.

10.4. Conditions to Avoid: Heat, flames and sparks.

10.5. Incompatible Materials: Strong oxidizing agents, acids, amines, bases.

10.6. Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, oxides of nitrogen, smoke.

MATERIAL SAFETY DATA SHEET**ABC 880 FILL&FIX POLYURETHANE FOAM GUN TYPE****11 TOXICOLOGICAL INFORMATION****11.1. Information on Toxicological Effects:**

Acute Toxicity: Not classified based on available information. Toxicological information of the main substances found in the mixture:

Diphenylmethanediisocyanate isomers homologues (CAS. No: 9016-87-9)

LD50 (oral): >10000 mg/kg-Rat. (OECD Test Guideline 401)

LD50 (dermal): >9400 mg/kg-Rabbit.

LC50 (inhalation): 0.493 mg/l-Rat-Exposure time: 4 h. (OECD Test Guideline 401)

Tris(2-chloro-1-methylethyl) phosphate (CAS. No: 13674-84-5)

LD50 (oral): 632 mg/kg-Rat. (OECD Test Guideline 401)

LD50 (dermal): >2000 mg/kg-Rabbit.

LC50 (inhalation): >7 mg/l-Rat-Exposure time: 4 h. (OECD Test Guideline 401)

-Skin Corrosion/Irritation: Causes skin irritation.

-Serious Eye Damage/Eye Irritation: Causes serious eye irritation.

-Respiratory or Skin Sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

-Germ Cell Mutagenicity: Not classified based on available information.

-Carcinogenicity: Suspected of causing cancer.

-Reproductive Toxicity: Not classified based on available information.

-STOT - Single Exposure: May cause respiratory irritation.

-STOT - Repeated Exposure: May cause damage to organs through prolonged or repeated exposure.

-Aspiration Toxicity: Not classified based on available information.

12 ECOLOGICAL INFORMATION**12.1. Toxicity:****Diphenylmethanediisocyanate isomers homologues (CAS. No: 9016-87-9)**

LC50: >1000 mg/l-Fish (96h)

EC50: >1000 mg/l-Invertebrates/Daphnia magna (24h)

EC50: >1640 mg/l-Alga (72h)

Tris(2-chloro-1-methylethyl) phosphate (CAS. No: 13674-84-5)

LC50: 84 mg/l-Fish (96h)

EC50: >131 mg/l-Invertebrates/Daphnia magna (48h)

EC50: 82 mg/l-Alga (72h)

12.2. Persistence and Degradability: No data available.

12.3. Bioaccumulative Potential: No data available.

12.4. Mobility in Soil: No data available.

12.5. Results of PBT and vPvB Assessment: No data available.

12.6. Other Adverse Effects: No data available

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13 DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Product: Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14 TRANSPORT INFORMATION

14.1. UN Number:

ADR/RID: 1950

IMDG: 1950

IATA: 1950

14.2. Proper UN Shipping Name:

ADR/RID : AEROSOLS, FLAMMABLE

IMDG : AEROSOLS, FLAMMABLE

IATA : AEROSOLS, FLAMMABLE

14.3. Transport Hazard Class(es):

ADR/RID: 2.1

IMDG: 2.1

IATA: 2.1

14.4. Packing Group: Not applicable.

14.5. Environmental Hazard: No

14.6. Special Precautions for User: IMDG-EmS Number : F-D, S-U

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

15 REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations Specific for the Preparations

- Regulation (EC) No 1907/2006, (REACH)
- Regulation (EC) No 1272/2008, (CLP)
- Aerosol Dispensers Directive 75/324/EEC , (ADD)
- ADR-European Agreement Concerning the International Carriage of Dangerous Goods by Road

16 OTHER INFORMATION

16.1. Indication of Changes to the Previous Version

Date Prepared: 02.12.2014

Revision Date: 16.04.2015

Revision No: 2.5.

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16.2. Abbreviations and Acronyms

CLP: Classification, labelling and packaging.

GHS: Globally harmonized system of classification and labelling of chemicals.

ADR: European agreement concerning the Int. carriage of dangerous goods by road.

IATA: International air transport association.

ICAO: International civil aviation organization.

IMDG: International maritime code for dangerous goods.

PBT: Persistent, bioaccumulative and toxic according to 1907/2006/EC, Annex XIII.

vPvB: Very persistent and very bioaccumulative according to 1907/2006/EC, Annex XIII.

OEL: Occupational exposure limit.

CAS No: Chemical abstract service index number.

EC50: Half maximal effective concentration.

LC50: Median lethal concentration.

LD50: Median lethal dose.

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H229: Pressurized container: may burst if heated.

H280: Contains gas under pressure; may explode if heated.

H302: Harmful if swallowed.

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.

16.3. Special Information of Certain Preparations

Contains Diphenylmethanediisocyanate Isomers Homologues

Contains isocyanates. Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. See information supplied by manufacturer. Wear suitable gloves. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. In case of insufficient ventilation, wear suitable respiratory equipment. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Keep out of the reach of children. Dispose of this material and its container to hazardous or special waste collection point.

16.4. Further Information

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. The company supplying entity shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

Department issuing SDS: Product safety department.

Contact:Product safety department

ozlem@abcsealant.com



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