



According To Regulation (EC) No 1907/2006 (REACH)

PROMAST B1 Fire Foam

Version: 1.0Form No:41037-ENPreparation Date: 9.15.2023Revision Date: 9.15.2023

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name Promast B1 Fire Foam

SDS No: 41037-EN

1.2 Relevant Identified Uses Of The Product And Uses Advised Against

Filling and fixing.

1.3 Details Of The Supplier Of The Safety Data Sheet

Supplier: PROMAST KIMYA SAN. TİC. A.Ş.

Address – Factory: Ovacık Mah. Hacıoğlu Sok. No:21B Kullar Mevkii 41140

Başiskele- Kocaeli/Türkiye Tel: +90 262 335 41 82

Information Providing

Authority About Safety

Data Sheet

info@promast.com.tr

1.4 Emergency Telephone Number

Company Emergency: +90 262 335 41 82

2. HAZARDS IDENTIFICATION

- 2.1 Classification Of The Product
- 2.1.1 Classification According to Regulation (EC) No 1272/2008
 - -Extremely flammable gas; H222
 - -Pressurised container; H229
 - -Skin Irrit. Cat 2; H315
 - -Eye Irrit. Cat 2; H319
 - -Resp. Sens. Cat 1; H334
 - -Skin Sens. Cat.1; H317
 - -Car. Cat 2; H351
 - -STOT SE. Cat. 3; H335
 - -STOT RE. Cat. 2;H373
 - -Acute Tox. (Inh.)Cat. 4;H302
 - -Acute Tox. (oral) Cat. 4; H332



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2.2 Label Elements

2.2.1. Labeling According to Regulation (EC) No 1272/2008 [CLP₁/GHS₂]

Product Identifier

Hazard Component for Labelling

· 4-4'-methylenediphenyl diisocyanate

Hazard Pictograms







Signal Word

· Danger

Hazard Statements

- H222 Extremeyl flammable aerosol.
- H229 Pressurised container; may burst if heate.
- 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.
- H302 Harmful if swallowed.
- H332 Harmful if inhaled.

Precautionary Statements

- 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 b urn, even after use.
- P410+P412: Protect from sunglight. Do not expose to temperatures exceeding $50^{\circ}\text{C}/122^{\circ}\text{F}$



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P264: Wash contaminated skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P270: Do not eat, drink or smoke when using this product.

P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330: Rinse mouth.

P314: Get medical advice/attention if you feel unwell.

P260: Do not breathe dust/fume/gas/mist/vapours/ spray.

P281: Use personal protective equiment as required.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P405: Store locked up.

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

P321: Specific treatment (see on this label).

P362: Take off contaminated clothing.

P261: Avoid breathing dust/füme/gas/mist/vapurs/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P333+P313: IF SKIN irritation or rash occurs: Get medical advice/ attention.

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents/container to the local regulations.

P337+P313: If eye irritation persists: Get medical advice/attention.

P285: : In case of inadequate ventilation wear respiratory protection.

P304+P341: If INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+P311: If experiencing respiratory symptoms: Call a POSION CENTER/DOCTOR

P201: Obtain special instructions before use.

P202:Do not handle until all safety precautions have been read and undersood.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Information (EU) Statements

EUH204 Contains isocyanates. May produce an allergic reaction.



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2.3 Additional Labeling

Not data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Description Of The Mixture:

Ingredient name	EC number	CAS number	% w/w	Hazard statement
Isobutane	203-448-7	106-97-8	3-8	Flam. Gas 1-H220
Polyol Blend	-	-	30-50	Acute Tox. (oral) 4- H302 Eye Irrit. 2- H319
Dimethyl ether	204-065-8	115-10-6	5-10	Flam. Gas 1- H220
4-4'-methylenediphenyl diisocyanate	202-966-0	101-68-8	30-50	Carc. 2 - H351 Acute Tox. 4 - H332 STOT RE 2 - H373 Eye Irrit. 2 - H319 STOT SE 3 - H335 Skin Irrit. 2 - H315 Resp. Sens. 1 - H334 Skin Sens. 1 - H317

3.1.1 Notes

None

3.1.2 Additional information:

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 General information

Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

4.1.2 Following inhalation

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

4.1.3 Following skin contact





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Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

4.1.4 Following eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.1.5 Following ingestion

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation

Dizziness. Allergy or asthma symptoms or breathing difficulties.

Ingestion

Nausea, vomiting.

Skin contact

May cause an allergic skin reaction. Causes irritation.

Eye contact

Causes eye irritation.

4.3 Notes for the doctor

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 General Information and Flammable Properties:

Extinguishing media: Water spray, dry chemical powder, carbon dioxide

Unsuitable extinguishing media: Do not use water jet.

5.2 Special hazards arising from the product

Vapours many form explosive mixtures with air. Aerosol cans may explode in fire. In case of fire, toxic gases may be formed. Carbon monoxide, carbon dioxide.

5.3 Advice for fire-fighters:

Fire Fighting Instructions

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Avoid breathing fire vapours. Move container from fire area if it can be done without risk. Be aware of danger for fire to restart. Dike and collect extinguishing water.



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Protective Equipment For Fire-Fighting Personnel

Face mask, protective gloves and safety helmet. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material.

6.2 Environmental Precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and Material For Containment and Cleaning Up

6.3.1 For Containment

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

6.3.2 For Cleaning Up

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

7. HANDLING AND STORAGE

7.1 Precautions For Safe Handling

Read and follow manufacturer's recommendations. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid breathing vapour or mist. Avoid breathing gas.



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Do not pierce or burn, even after use. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Empty containers retain product residue and can be hazardous.

Store and use away from heat, sparks, open flame or any other ignition source. Use explosion proof electrical (ventilating, lighting and material handling) equipment. Use only nonsparking tools. Keep away from ignition sources such as heat/sparks/open flame. No smoking. Do not spray on a naked flame or any incandescent material. Product contaminated rags, paper or material used to absorb spillages, represent a fire hazard, and should not be allowed to accumulate. Dispose of safely immediately after use.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas

7.2 Conditions For Safe Storage, Including Any Incompatibilities

Storage conditions

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Protect against physical damage and/or friction. Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry and cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
DIPHENYLMETHANE- 4,4'-DI-ISOCYANATE	WEL		0.02 mg/m^3		0.07 mg/m^3	
DIMETHYL ETHER	WEL	400 ppm	766 mg/m³	500 ppm	958 mg/m³	-

8.2 Occupational Exposure Limits







8.2.1 Appropriate Engineering Controls

8.2.2 Personal Protection Equipment

Eye/Face Protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Wear tight-fitting, chemical



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splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin Protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hand Protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Respiratory Protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

Appearance: Aerosol foam

Color: Red

Odour: Odourless

pH: No data available Melting Point / Freezing Point (°C) 760 mmHg No data available Boiling point/range(°C): No data available Vapour pressure Pa(<1.00x10-10 mmHg)@ 20°C: No data available

Relative Density kg/m^3 : 28-32

Flash Point °C: No data available

Flammability: B1

Vapor Density (Air=1): No data available



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Vaporization rate: No data available Solidifaction point/range, °C: No data available

Solubility None

Explosive Property: No data available
Oxidation Property: No data available

9.2 Other Information

Adhesion Time: No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2 Chemical Stability

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3 Possibility of Hazardous Reactions

Unkown

10.4 Conditions to Avoid

Avoid heat, flames and other sources of ignition. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

10.5 Incompatible Materials

Strong oxides

10.6 Hazardous Decomposition Products

Fire creates: Toxic Gasses / vapors / fumes of: Ammonia or Amines. Carbon Monoxides (CO). Oxides of: Nitrogen, Hydrogen Cyanide (HCN), Nitrous Gases (Nox).

11. TOXICOLOGICAL INFORMATION

11.1 General Information

No data available.

Acute Toxicity

Harmful if swallowed.

Skin Corrosion/Irritation

Causes skin irritation.

Eye Damage/Irritation

Causes serious eye irritation.





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Respiratory or Skin Sensitization

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

May cause an allergic skin reaction.

Germ Cell Mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Suspected of causing cancer.

Reproductive Toxicity

Based on available data the classification criteria are not met.

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

No data available.

Inhalation Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness.

Ingestion May cause nausea, headache, dizziness and intoxication.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Large or frequent spills may have hazardous effects on the environment.

12.2 Photo Degradation

No data available.

12.3 Biaccumulation Potential:

Biological environment (biota) accumulation potential: No data available.

Potential – nutrients pass through: No data available.

Reference Values - Log Kow, Sw and BCF: No data available.

12.4 Mobility:

The product is not soluble in water.



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12.5 Results of PBT and vPvB Assesment:

This product does not contain any PBT or vPvB substances.

12.6 Effects on Waste Water Treatment Plants

No data available.

12.7 Persistence and Degradability

Decompositon potential of the products

No data available.

The half-life of degradation

No data available.

Potential degradation of product content in the evaluation wastewater treatment plants

12.7 Additional Information

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 General Information

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

14. TRANSPORT INFORMATION

	ADR^{12}/RID^{13}	$ADNR^{14}$	$IMDG^{15}$	ICAO ¹⁶ /IATA ¹⁷		
TRANSPORTATION	Road	River	Marine	Airways		
14.1. UN NUMBER	1950	1950	1950	1950		
14.2. PROPER SHIPPING NAME	AEROSOLS					
SYMBOL	•		2	*		
14.3. PACKAGING GROUP	Not applicable					
LABELLING NO	2.1	2.1	2.1	2.1		
TUNNEL RESTRICTION CODE	(D)	-	-	-		
EmS	F-D,S-U	-	-	-		



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14.5. MARINE POLLUTANT	-	-	-	-
14.6. SPECIAL PRECAUTIONS				
FOR THE USER		-		

15. REGULATORY INFORMATION

15.1 Chemical Safety Assesment

15.1.1 Hazard

The Safety Data Sheet is compiled according to the current European requirements. Regulation

(EC) No 1907/2006 (REACH)

CLP classification according to Annex VI of CLP (Regulation (EC) No 1272/2008)

This substance is classified as not hazardous according to regulation (EC) 1272/2008

15.2 International Regulations

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008/EC and 11014:2009.

16. OTHER INFORMATION

16.1 Other Information

For additional information regarding **Promast** products please contact the **PROMAST Kimya San. Tic. A.Ş** Pelin KAHRAMAN- <u>pelin.kahraman@urban.com.tr</u>

In all cases of potential poisoning supportive therapy is of the it most importance.

16.2 Related Person

Prepared by: Pelin KAHRAMAN (pelin@urbantmgd.com.tr)

Uzman Akreditasyonu No: <u>TÜRKAK KDU 01.11.06 / 14.12.2019-14.12.2024</u>

0216 365 64 16

16.2.1 Contact Person

Mete Atakan AKMAN – mete.akman@sls.com.tr

16.3 Revision Date

09.15.2023

16.4 SDS No

41037-EN

16.5 Revision Version

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16.6 Reason of re-issue

Compiling according to Regulation (EC) No 1272/2008

16.7 Relevant H- and EUH-phrases(number and full text)

Hazard Statements

- H222 Extremeyl flammable aerosol.
- H229 Pressurised container; may burst if heate.
- 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.
- H332 Harmful if inhaled.
- H302 Harmful if swallowed.
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements

- 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 b urn, even after use.
- P410+P412: Protect from sunglight. Do not expose to temperatures exceeding $50^{\circ}\text{C}/122^{\circ}\text{F}$
- P264: Wash contaminated skin thoroughly after handling.
- *P280:* Wear protective gloves/protective clothing/eye protection/face protection.
- P270: Do not eat, drink or smoke when using this product.
- P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P330: Rinse mouth.
- P314: Get medical advice/attention if you feel unwell.
- *P260: Do not breathe dust/fume/gas/mist/vapours/ spray.*
- P281: Use personal protective equiment as required.





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P308+P313: IF exposed or concerned: Get medical advice/attention.

P405: Store locked up.

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

P321: Specific treatment (see on this label).

P362: Take off contaminated clothing.

P261: Avoid breathing dust/füme/gas/mist/vapurs/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P333+P313: IF SKIN irritation or rash occurs: Get medical advice/ attention.

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents/container to the local regulations.

P337+P313: If eye irritation persists: Get medical advice/attention.

P285: : In case of inadequate ventilation wear respiratory protection.

P304+P341: If INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+P311: If experiencing respiratory symptoms: Call a POSION CENTER/DOCTOR

P201: Obtain special instructions before use.

P202:Do not handle until all safety precautions have been read and undersood.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

16.8 Legal Disclaimer

- The purpose of the above information is to describe the products only in terms of health and safety requirements.
- The information given should not, therefore, be construed as guaranteeing specific properties or as specification.
- · Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.
- 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 above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.
- The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Due to the many factors outside our





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control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.

¹ SDS: Safety Data Sheet

² CLP: Classification, Labelling and Packaging of Substances and Mixtures

³ GHS: Global Harmonised System

⁴ NIOSH: The National Institute for Occupational Safety and Health

⁵ CEN: Comite Europeen de Normalisation

⁶ NTP: National Toxicology Program

⁷ IARC: The International Agency for Research on Cancer

⁸ OSHA: Occupational Safety and Health Association

⁹ EWC: European Waste Katalog

¹⁰ ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

¹¹ RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

¹² ADNR: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways

¹³ IMDG: International Maritime Code for Dangerous Goods

¹⁴ ICAO: International Civil Aviation Organization

¹⁵ IATA: International Air Transport Association

¹⁶ TWA: Time Weighted Average

¹⁷PEL: Permissible Exposure Limit

¹⁸ PNEC: Predicted No Effect Concentration

¹⁹ OEL: Occupational exposure limit