

Created: 10 Aug 2023

SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008 and 2015/830

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: Flexfoam Gun 644
- Product Part Number: C08/07/05/644-21

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: One component, general purpose gun applied polyurethane foam

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Don Construction Products Bulgaria
- Address of Supplier: 152 Prof. Tsvetan Lazarov blvd.
Techno Park Sofia, fl. 3
Sofia 1582
Bulgaria
- Telephone: +359 2 870 2782
- Fax: +359 2 870 2761
- Email: info.bulgaria@dcp-int.com

- 1.4 Emergency telephone number Tel.: +359 2 9154 409
Tel.: +359 2 9154 233

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- CLP: Flam. Aerosol 1, Resp. Sens. 1, Carc. 2, STOT RE 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3, Lact., Aquatic Chronic 4

2.2 Label elements

- Signal Word: Danger
- Hazard statements
 - H222 - Extremely flammable aerosol.
 - H229 - Pressurised container: May burst if heated.
 - H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

SECTION 2: Hazards identification (....)

H351 - Suspected of causing cancer.
 H373 - May cause damage to organs through prolonged or repeated exposure.
 H332 - Harmful if inhaled.
 H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 H317 - May cause an allergic skin reaction.
 H335 - May cause respiratory irritation.
 H362 - May cause harm to breast-fed children.
 H413 - May cause long lasting harmful effects to aquatic life.
 EUH204 - Contains isocyanates. May produce an allergic reaction.

- Precautionary statements

P102 - Keep out of reach of children.
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P313 - IF exposed or concerned: Get medical advice/attention.
 P285 - In case of inadequate ventilation wear respiratory protection.
 P281 - Use personal protective equipment as required.
 P273 - Avoid release to the environment.
 P314 - Get medical advice/attention if you feel unwell.
 P264 - Wash thoroughly after handling
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P363 - Wash contaminated clothing before reuse.
 P263 - Avoid contact during pregnancy and while nursing.
 P271 - Use only outdoors or in a well-ventilated area.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P501 - Dispose of contents/container to an authorised waste collection point
 P391 - Collect spillage.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 P405 - Store locked up.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 P202 - Do not handle until all safety precautions have been read and understood.
 Additional information:
 Do not pierce or burn, even after use.
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 Do not spray on an open flame or other ignition source.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Persons already sensitised to diisocyanates may develop allergic reactions when using this

SECTION 2: Hazards identification (....)

product.

Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

As from 24 August 2023 adequate training is required before industrial or professional use

2.3 Other hazards

- Contains: Diphenylmethandiisocyanate, isomers and homologues
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SECTION 3: Composition/information on ingredients

3.2 Mixtures

- Diphenylmethandiisocyanate, isomers and homologues
 - CAS Number: 9016-87-9
 - EC Number: 618-498-9
 - Concentration: 30 - 60%
 - Categories: Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, Carc. 2, STOT SE 3, STOT RE 2
 - Symbols: GHS07, GHS08
 - H Statements: H315, H317, H319, H332, H334, H335, H351, H373
- alkanes, C14-17, chloro; chlorinated paraffins, C14-17
 - CAS Number: 85535-85-9
 - EC Number: 287-477-0
 - Concentration: < 30%
 - Categories: Aquatic Acute 1, Aquatic Chronic 1
 - Symbols: GHS09
 - H Statements: H362, H400, H410, EUH066
- Isobutane
 - CAS Number: 75-28-5
 - EC Number: 200-857-2
 - Concentration: < 15%
 - Categories: Flam. Gas 1, Press. Gas
 - Symbols: GHS02
 - H Statements: H220, H280
- propane
 - CAS Number: 74-98-6
 - EC Number: 200-827-9
 - Concentration: < 15%
 - Categories: Flam. Gas 1, Press. Gas
 - Symbols: GHS02
 - H Statements: H220, H280

SECTION 3: Composition/information on ingredients (....)

- Butane
 - CAS Number: 106-97-8
 - EC Number: 203-448-7
 - Concentration: < 15%
 - Categories: Flam. Gas 1, Press. Gas
 - Symbols: GHS02
 - H Statements: H220, H280

- dimethyl ether
 - CAS Number: 115-10-6
 - EC Number: 204-065-8
 - Concentration: < 10%
 - Categories: Flam. Gas 1, Press. Gas
 - Symbols: GHS02
 - H Statements: H220, H280

SECTION 4: First aid measures

4.1 Description of first aid measures

- Inhalation
 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 - Apply artificial respiration only if patient is not breathing
 - Keep warm and at rest
 - Get medical advice/attention if you feel unwell.

- Contact with skin
 - IF ON SKIN: Wash with plenty of soap and water.
 - If skin irritation or rash occurs: Get medical advice/attention.
 - Wash contaminated clothing before reuse.
 - IF exposed or concerned: Get medical advice/attention.
 - Remove uncured foam using a piece of cloth and an unaggressive solvent, e.g. ethanol. Wash your hands and the cleaned skin surface using soapy water. Cured foam can be removed mechanically with the use of a brush, soap and plenty of water. Use protective cream after skin surface has been cleaned.

- Contact with eyes
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - Get immediate medical advice/attention.

- Ingestion
 - Do NOT induce vomiting.
 - Get immediate medical advice/attention.
 - Rinse mouth.
 - Give plenty of water to drink

SECTION 4: First aid measures (....)

4.2 Most important symptoms and effects, both acute and delayed

- No information available

4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- Inform Fire Brigade of potential danger of exploding and rocketing cylinders
- Nitrogen and carbon oxides may be formed
- May form explosive vapour/air mixtures
- Smoke from fires is toxic

5.3 Advice for firefighters

- Wear full protective clothing including chemical protection suit
 - Wear Breathing Apparatus
 - Keep container(s) exposed to fire cool, by spraying with water
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Shut off all ignition sources
- Wear protective clothing as per section 8
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Ensure adequate ventilation

6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses

6.3 Methods and material for containment and cleaning up

- Collect spillage.
- Remove by mechanical means
- Dispose of this material as hazardous waste.
- In case of leakage, eliminate all ignition sources.

Uncured foam adheres easily, hence it should be removed with caution. Remove instantly using a piece of cloth and solvents, e.g. acetone, alcohol. Remove cured foam mechanically. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation

6.4 Reference to other sections

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SECTION 6: Accidental release measures (....)

- See Section 7, 8, 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Handle and open container with care
- Do not pierce or burn, even after use.
- Do not mix with any other products
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Use personal protective equipment as required.
- Get medical advice/attention if you feel unwell.
- Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

- 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. Flammable. Do not breathe spray. Use only in well ventilated areas
- Do not smoke
- Keep away from static electricity
- Keep away from strong oxidisers, heat, flames and sources of ignition.
- Store locked up.
- Store in a well-ventilated place. Keep cool.
- Keep away from acids and alkalis
- Keep away from reducing agents
- Keep away from oxidising substances
- Keep in a cool place away from foodstuff
- Keep away from rubber
- Keep away from aluminium
- Keep away from plastic
- Keep only in the original container
- Protect from frost
- Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

7.3 Specific end use(s)

- No information available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

WEL Short-term value: 0.07 mg/m³

Long-term value: 0.02 mg/m³

SECTION 8: Exposure controls/personal protection (....)

Sen; as -NCO

CAS: 115-10-6 dimethyl ether
 WEL Short-term value: 958 mg/m³, 500 ppm
 Long-term value: 766 mg/m³, 400 ppm

CAS: 106-97-8 butane
 WEL Short-term value: 1810 mg/m³, 750 ppm
 Long-term value: 1450 mg/m³, 600 ppm
 Carc (if more than 0.1% of buta-1.3-diene)

DNELs

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues
 Oral DNEL: 20 mg/kg/day (General population, consumers)
 Dermal DNEL: 0.05 mg/kg/day (General population, consumers)
 Inhalative DNEL: 0.05 mg/m³ (General population, consumers)
 0.05 mg/m³ (Workers)

CAS: 85535-85-9 chlorinated paraffins, C14-17
 Oral DNEL 0.115 mg/kg/day (General population, consumers)
 Dermal DNEL: 5.75 mg/kg/day (General population, consumers)
 11.5 mg/kg/day (Workers)
 Inhalative DNEL: 0.4 mg/m³ (General population, consumers)
 1.6 mg/m³ (Workers)

CAS: 115-10-6 dimethyl ether
 Inhalative DNEL: 471 mg/m³ (General population, consumers)
 1,894 mg/m³ (Workers)

PNECs

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues
 (freshwater) 1 mg/l
 (sea water) 0.1 mg/l
 (soil) 1 mg/kg

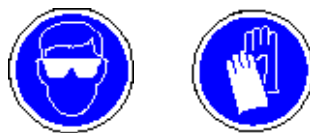
CAS: 85535-85-9 chlorinated paraffins, C14-17
 (freshwater) 1 mg/l
 (sea water) 0.2 mg/l
 (freshwater sediments) 13 mg/kg
 (sea water sediments) 2.6 mg/kg
 (soil) 20 mg/kg

CAS: 115-10-6 dimethyl ether
 (freshwater) 0.155 mg/l (Aquatic Organisms)
 (sea water) 0.016 mg/l (Aquatic Organisms)
 (freshwater sediments) 0.681 mg/kg (Aquatic Organisms)
 (sea water sediments) 0.069 mg/kg (Aquatic Organisms)
 (soil) 0.045 mg/kg (Terrestrial Organism)

8.2 Exposure controls

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SECTION 8: Exposure controls/personal protection (....)



- Remove contaminated clothing
 - Wash thoroughly after handling.
 - Avoid contact with skin and eyes
 - Wear polythene gloves
 - Wear goggles giving complete eye protection
 - Contaminated work clothing should not be allowed out of the workplace.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - Use personal protective equipment as required.
 - In case of inadequate ventilation wear respiratory protection.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Rapidly curing foam dispensed by gaseous propellant from an aerosol container
- Colour: Different according to colouring
- Odour: Characteristic odour
- Flashpoint: < 0 °C
- Boiling Point/Range: Not applicable
- Autoignition Temperature: > +350 °C (propellant)
- Explosive Properties: Heating may cause an explosion.
- Lower explosive limit: 1.5% (in air)
- Upper explosive limit: 11% (in air)
- Vapour Pressure: >500 kPa (in the container)
< 1*10⁻⁵ mmHg w 25°C (MDI)
- pH: Not applicable
- Specific Gravity: ≤ 1.3 (PMDI) g/cm³
- Solubility in water: Insoluble in water, Reacts with water
- Physical state: Aerosol

9.2 Other information

- No information available
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SECTION 10: Stability and reactivity

10.1 Reactivity

- No information available

10.2 Chemical stability

- This article is considered stable under normal conditions
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SECTION 10: Stability and reactivity (....)

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Do not expose to temperatures exceeding 50°C/ 122°F.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Avoid exposure to high temperature or direct sunlight.

10.5 Incompatible materials

- Reacts with water

10.6 Hazardous decomposition products

- No hazardous decomposition products known
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

LD/LC50 values relevant for classification:

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

Oral LD50 >10,000 mg/kg (rat) (OECD401)

Dermal LD50 >9,400 mg/kg (rabbit) (OECD402)

Inhalative LC50/4h 1.5 mg/l (ATE)

CAS: 85535-85-9 chlorinated paraffins, C14-17

Dermal LD50 4,000 mg/kg (rat)

Inhalative LC50 >3,300 mg/l (rat)

- Harmful if inhaled.
 - Causes skin irritation.
 - Causes serious eye irritation.
 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 - May cause an allergic skin reaction.
 - Suspected of causing cancer.
 - May cause harm to breast-fed children.
 - May cause respiratory irritation.
 - May cause damage to organs through prolonged or repeated exposure.
-

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

EC50 1,640 mg/l (algae)

>1,000 mg/l (daphnia) (OECD202)

>100 mg/l (Sedimentation) (OECD209)

LC50 >1,000 mg/l (fish) (OECD)

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SECTION 12: Ecological information (....)

CAS: 85535-85-9 chlorinated paraffins, C14-17

EC50 >3.2 mg/l (algae) (OECD 201)

0.006 mg/l (daphnia)

LC50 >5,000 mg/l (fish)

12.2 Persistence and degradability

- Not readily biodegradable

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other adverse effects

- No information available
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Avoid release to the environment. Refer to special instructions/Safety data sheets
- Disposal should be in accordance with local, state or national legislation
- Dispose of contents/container to an authorised waste collection point
- Do not empty into drains - dispose of this material and container in a safe way

European waste catalogue

15 01 11* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

SECTION 14: Transport information



UN No.: 1950

Proper Shipping Name: AEROSOLS

Hazard Class: 2

14.1 Air (ICAO/IATA)

- ICAO UN No.: 1950
- Proper Shipping Name: AEROSOLS
- ICAO Hazard Class: 2.1
- ICAO Labels: 2.1

14.2 Road/Rail (ADR/RID)

SECTION 14: Transport information (....)

- ADR UN No.: 1950
- Proper Shipping Name: AEROSOLS
- ADR Hazard Class: 2 5F Gases.
- ADR-RID Labels: 2.1
 - Limited quantities (LQ) 1L
 - Excepted quantities (EQ) E0
 - Transport category 2
 - Remarks: Exemption from ADR provisions by LQ principal (rule 3.4)
- Inner packaging, max. 1 liter in capacity; outer packaging – max. gross weight of 30kg.
- Inner packaging, max. 1 liter in capacity, based on common ground and covered with shrink film – max. gross weight of 20kg.
- Tunnel restriction code: D.

14.3 Sea (IMDG)

- IMDG UN No.: 1950
- Proper Shipping Name: AEROSOLS
- IMDG Hazard Class: 2

14.4 Environmental hazards

- Not hazardous

14.5 Special precautions for user

- Special precautions: Warning: Gases.
- EmS: F-D,S-U

14.6 Transport in bulk according to Annex II of Marpol and the IBC Code

- No information available

SECTION 15: Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Regulation 1907/2006-2015/830

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- EUH066: Repeated exposure may cause skin dryness or cracking. H220: Extremely flammable gas. H280: Contains gas under pressure; may explode 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. H362: May cause harm to breast-fed children. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.



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SECTION 16: Other information (....)

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.

--- end of safety datasheet ---
