



SAFETY DATA SHEET

FREN BALATA TEMİZLEYİCİ (BRAKE CLEANER SPRAY)

According to REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Date of First Publication : 28.04.2023

Revision Date : 05.11.2025

Revision Number : 02

SDS Number : KG-F-342

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SECTION 1 : IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier	Trade Name : FREN BALATA TEMİZLEYİCİ (BRAKE CLEANER SPRAY) Product Form : Mixture EC No. : Not available CAS No. : Not available REACH Registration No. : Not available
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified uses: Cleans the dust and grease on brake parts
1.3 Details of the supplier of the safety data sheet	GÜZEL ENERJİ AKARYAKIT A.Ş. 10013 Sokak No.: 6 A.O.S.B. Çiğli/İZMİR Tel: 0 232 328 10 36 Faks: 0 232 328 20 82 e-mail: moillaboratuvar@guzelenerji.com.tr
1.4 Emergency telephone number	Güzel Enerji Akaryakıt A.Ş.: 0 232 328 10 36 UZEM (National Poison Consultancy Center): 114

SECTION 2 : HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Aerosol, Category 1	H223; H229
Skin corrosion/irritation, Category 2	H315
Reproductive toxicity, Category 2	H361
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity – Repeated exposure, Category 2	H373
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

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Adverse physicochemical, human health and environmental effects:

Pressurised container: May burst if heated. Extremely flammable aerosol. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Causes skin irritation. Toxic to aquatic life with long lasting effects.

2.2 Label elements

Label elements according to Regulation (EC) No 1272/2008

Pictograms:



Signal Words : Warning

Hazardous ingredients:

propan-2-ol; isopropyl alcohol; isopropanol; Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha;

Hazard Statements:

H223: Flammable aerosol

H229: Pressurised container: May burst if heated.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H361: Suspected of damaging fertility or the unborn child.

H373: May cause damage to organs through prolonged or repeated exposure.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements:

P102: Keep out of reach of children.

P201 - Obtain special instructions before use.

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 burn, even after use.

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

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501: Dispose of contents/container according to all local, regional, national and international regulations.



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2.3 Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not Applicable.

3.2 Mixtures

Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, nhexane rich contains 20-45% hexane.

Chemical Composition	CAS No.	EC No.	Concentration	Classification
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha; (Note P)	64742-49-0	265-151-9 EC Index No.: 649-328-00-1	$\geq 85 - < 90$	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361fd Repr. 2, H361f STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	200-661-7 EC Index No.: 603-117-00-0	$> 9 - < 10$	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Carbondioxide substance with a community workplace exposure limit	124-38-9	204-696-9	$> 3 - < 4$	Press. Gas (Comp.), H280

Note P - Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1% w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

REACH No.: Not available.

Additional information:

The Full Text for all Hazard Statements are Displayed in Section 16.



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SECTION 4 : FIRST AID MEASURES

4.1 Description of first aid measures

EYE CONTACT: Rinse eyes with water as a precaution.

SKIN CONTACT: Wash skin with plenty of water. Take off contaminated clothing.

If skin irritation occurs: Get medical advice/attention.

INHALATION: Remove person to fresh air and keep comfortable for breathing.

INGESTION: Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed. Treat symptomatically.

SECTION 5 : FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

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

6.1 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.



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6.1.2. For emergency responders

Protective equipment

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 cleaning up

For containment : Collect spillage.

Methods for cleaning up : Mechanically recover the product. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For guidance on selection of personal protective equipment see Chapter 8 of this Safety Data Sheet.

For guidance on disposal of spilled material see Chapter 13 of this Safety Data Sheet.

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. 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. 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

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.

7.3 Specific end use(s)

Not applicable

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SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Ensure good ventilation of the work station.

Carbondioxide (124-38-9)

Local name Karbondioksit

IOEL TWA 9000 mg/m³

Regulatory reference COMMISSION DIRECTIVE 2006/15/EC

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation in the work area. Avoid inhalation of vapours.

8.2.2 Individual protection measures, such as personal protective equipment

Eye protection

Safety glasses

Skin protection

Wear suitable protective clothing

Hand protection

Protective gloves

Respiratory protection

In case of inadequate ventilation] wear respiratory protection. ventilation is inadequate, suitable respiratory protection must be worn.

Personal protective equipment symbol(s):



8.2.3 Environmental exposure controls

Avoid release to the environment.



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid under pressure
Colour	: No data available
Odour	: Characteristic
Odour Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling point	: No data available
Flash Point °C	: -40 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable, Extremely flammable aerosol.
Vapour Pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition Coefficient	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Pressurised container: May burst if heated.
Oxidizing properties	: No data available
Explosive limits	: No data available



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9.2 Other information

No additional information available

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity

Th 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 (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Skin corrosion/irritation : Causes skin irritation.



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Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

IARC group : 3 - Not classifiable

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : May cause drowsiness or dizziness.

STOT-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 : Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

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



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SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 14 06 03* - other solvents and solvent mixtures
15 01 11* - metallic packaging containing a dangerous solid porous matrix
(e.g. asbestos), including empty pressure containers

R code/ D code : R13 - Storage of waste pending any of the operations numbered R 1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced)

Hazardous Waste Group : Contains aerosols, gas cylinders, empty packing, asbestos, medical, isocyanates, batteries without mercury or mixed waste in small containers.

SECTION 14 : TRANSPORT INFORMATION

ADR	IMDG	IATA	ADN	RID
14.1 UN number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2 UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description				
UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS
14.3 Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
14.4 Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



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14.5 Environmental hazards

Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
	Marine pollutant : Yes	
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)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207
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, 381, 959
Packing instructions (IMDG)	: P207, LP200

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



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Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30 kg G
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75 kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150 kg
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
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01, VE04
Number of blue cones/lights (ADN) : 1

Rail transport

Special provisions (RID) : 190, 327, 344, 625
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Packing instructions (RID) : P207, LP200
Special packing provisions (RID) : PP87, RR6, L2
Mixed packing provisions (RID) : MP9
Transport category (RID) : 2
Special provisions for carriage – : W14

Packages (RID)

Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12
Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 23



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14.7 Transport in bulk according to Annex II of Marpol 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 substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

15.1.2. National regulations

Germany

Regulatory reference : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

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

Netherlands

SZW-lijst van kankerverwekkende stoffen : Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha; is listed

SZW-lijst van mutagene stoffen : Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha; is listed

SZW-lijst van reprotoxische stoffen – : None of the components are listed Borstvoeding

SZW-lijst van reprotoxische stoffen – : None of the components are listed
Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – : None of the components are listed Ontwikkeling



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Denmark

Class for fire hazard	: Add boilingpoint
Store unit	: Add boilingpoint
Classification remarks	: Add boilingpoint; Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations	: 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

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16 : OTHER INFORMATION

Abbreviations and acronyms

ADR	: International Carriage of Dangerous Goods by Road
ADNR	: Carriage of Dangerous Goods by Inland Waterways
RID	: Regulations Relating to International Carriage of Dangerous Goods by Rail
IMDG	: International Maritime Dangerous Goods
ICAO-TI	: International Civil Aviation Organization - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IATA	: International Air Transport Association
ACGIH	: American Conference of Governmental Industrial Hygienists
ASTM	: American Society for Testing and Materials
CAS	: Chemical Abstracts Service
GHS	: Globally Harmonised System of Classification and Labelling of Chemicals
OEL	: Occupational Exposure Limit
TWA	: Time-Weighted Average.
STEL	: Short term exposure limit
PBT	: Persistent, Bioaccumulative and Toxic
vPvB	: very Persistent and very Bioaccumulative
MARPOL 73/78	: International Convention for the Prevention of Pollution From Ships
Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Classification according to Regulation (EC) No. 1272/2008 [CLP].



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Wording of the H-statements in section 2 and 3:

H223	: Flammable aerosol
H225	: Highly flammable liquid and vapour.
H229	: Pressurised container: May burst if heated.
H304	: May be fatal if swallowed and enters airways.
H315	: Causes skin irritation.
H319	: Causes serious eye irritation.
H336	: May cause drowsiness or dizziness.
H361	: Suspected of damaging fertility or the unborn child.
H361f	: Suspected of damaging fertility.
H361fd	: Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	: May cause damage to organs through prolonged or repeated exposure.
H411	: Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aerosol 2	: Aerosol, Category 2
Aquatic Chronic 2	: Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	: Aspiration hazard, Category 1
Eye Irrit. 2	: Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	: Flammable liquids, Category 2
Press. Gas (Comp.)	: Gases under pressure : Compressed gas
Repr. 2	: Reproductive toxicity, Category 2
Skin Irrit. 2	: Skin corrosion/irritation, Category 2
STOT RE 2	: Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	: Specific target organ toxicity – Single exposure, Category 3, Narcosis

Revision Comments

General update

Issued by

Name and Surname	: Arzu GÜRBİYİK (Chemical Assessment Specialist)
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Warning

The information presented about health safety and environment issues in this safety data sheet was given by considering of best knowledge and reliable sources at the date of its preparation. Although maximum effort was shown, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

No statement made in this data sheet shall be construed as a permission, recommendation or authorization given or implied to practise any patented invention without a valid licence.

The GÜZEL ENERJİ AKARYAKIT A.Ş. shall not be responsible for any damage or injury resulting from abnormal use of the material from any failure to adhere to recommendations or from any hazards inherent in the nature of the material.