



ES WIRKT.

Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)
revision 11.12.2020 (GB) Version 5.2
Gunex

! SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product Gunex

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

Identified uses

! Remark

UFI: T8SR-9E4M-200F-UUA8

Recommended intended purpose(s)

corrosion prevention

Lubricant

Weapon care

1.3. Details of the supplier of the safety data sheet

Manufacturer

F.W.Klever
Hauptstraße 20, D-84168 Aham
Phone +49 (0) 8744 96 99 10, Fax + 49 (0) 8744 96 99 96
E-Mail info@ballistol.de
Internet www.ballistol.de

Advice

Qualitätssicherung
Phone +49 (0) 8744 96 99 30
E-mail (competent person):
info@ballistol.de

1.4. Emergency telephone number

Emergency advice

Dr.Zettler (Werktags von 8.00 Uhr bis 16.00 Uhr) oder
Giftnotrufzentrale 022819240
Phone +49 (0) 8744 96 99 30

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Aerosol 1	H222, H229	
Aquatic Chronic 3	H412	

Hazard statements for physical hazards

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements



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Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02

Signal word

Danger

Hazard statements for physical hazards

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

Hazard statements for health hazards

H304 May be fatal if swallowed and enters airways.

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

General

P102 Keep out of reach of children.

Prevention

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.
P273 Avoid release to the environment.

Storage

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

Disposal

P501 Dispose of contents/container to recycling

2.3. Other hazards

No information available.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
74-98-6	200-827-9	propane	ca. 5	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane	ca. 15	Flam. Gas 1, H220 / Press. Gas
64742-81-0	265-184-9	Kerosin (Erdöl), hydrodesulfuriertes ; Kerosin - nicht spezifiziert (Kopie)	ca. 25	Asp. Tox. 1, H304, H412



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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of inhalation

Ensure fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with soap and water.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

If swallowed by mistake drink plenty of water and seek medical treatment.

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

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

ABC powder

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:

Nitrogen gases (NO_x)

Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Additional information

Cool endangered containers with water spray jet.

Heating causes rise in pressure with risk of bursting

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep away sources of ignition.
Use breathing apparatus if exposed to vapours/dust/aerosol.
High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Clean contaminated objects and floor thoroughly under consideration of environment regulations.
Take up residues with absorbent material (e.g. sawdust).

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Do not spray into flames or ignition sources

General protective measures

Do not inhale gases/vapours/aerosols.

Hygiene measures

Remove soiled or soaked clothing immediately.
Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Protect aerosols from temperatures exceeding 50°C/ 122°F

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in original container.

Further information on storage conditions

Recommended storage temperature: room temperature.

Information on storage stability

Storage time: 3 years.

Storage group 2B

7.3. Specific end use(s)

No information available.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Respiratory protection

Respiratory protection must be worn whenever the WEL levels have been exceeded The following applies to propane in general: If the concentration is exceeded, closed-circuit breathing apparatuses must be used Use filter apparatus type AX, identification colour brown according to EN 371

Hand protection

Gloves (oil-resistant) Recommendation: protective glove (referred to EN374).

Eye protection

With demand: protective glasses

! SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

aerosol

Colour

dunkelbraun, klar

Odour

like mineral oil

Odour threshold

not determined

Important health, safety and environmental information

Table with 6 columns: Property, Value, Temperature, at, Method, Remark. Rows include pH value, boiling point, Melting point / Freezing point, Flash point, Vapourisation rate, Flammable (solid), Flammability (gas), Ignition temperature, Self ignition temperature, Lower explosion limit, Upper explosion limit, and Vapour pressure.



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	Value	Temperature	at	Method	Remark
Relative density	ca. 0,874 g/ml	20 °C	1013 mbar		information concerns to liquid phase
Vapour density	not determined				
Solubility in water		20 °C	1013 hPa		immiscible
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity kinematic	ca. 28				information concerns to liquid phase

Oxidising properties
No information available.

Explosive properties
No information available.

9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
No information available.

10.3. Possibility of hazardous reactions
No information available.

10.4. Conditions to avoid
Container under pressure. Protect from direct exposure to sunlight and temperatures exceeding 50°C/122°F.

10.5. Incompatible materials
Substances to avoid
Reactions with strong oxidising agents.

10.6. Hazardous decomposition products
Carbon monoxide and carbon dioxide.

Additional information
Product is stable under normal storage conditions



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 2000 mg/kg	rat		Information concerns to main component.
LD50 acute dermal	> 3000 mg/kg	rabbit		
Eye irritation	low irritant			
Skin sensitization	non-sensitizing			

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability				Moderately/partially 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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.	Name of waste
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Barrel: return by DSD (Dualistic System Germany)



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! SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	Druckgaspackung	Aerosols	Aerosols, flammable
14.3. Transport hazard class(es)	2	2	2.1
14.4. Packing group	-	-	-
14.5. Environmental hazards	No	No	No

14.6. Special precautions for user

No information available.

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

No information available.

Land and inland navigation transport ADR/RID

tunnel restriction code D

Classification code 5F

SECTION 15: Regulatory information

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

National regulations

Water hazard class 2 self-classification

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 5.1

H220 Extremely flammable gas.

H304, -?-

H412