



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Ballistol H1 liquid

Print date 14.12.2022
Revision date 09.12.2022
Version 2.0 (en)
replaces version of 09.11.2020 (1.7)

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

1.1 Product identifier

Trade name/designation Ballistol H1 liquid

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

Use of the substance/mixture

Lubricant (especially for food machinery)

*** Remark**

UFI: 2XFD-H19K-Q004-6RE5

1.3 Details of the supplier of the safety data sheet

Manufacturer

F.W.Klever
Hauptstraße 20
D-84168 Aham
Telephone +49 (0) 8744 96 99 10
Telefax + 49 (0) 8744 96 99 96
E-mail info@ballistol.de
Website www.ballistol.de

Department responsible for information:

Qualitätssicherung
Telephone +49 (0) 8744 96 99 80

E-mail (competent person):
info@ballistol.de

*** 1.4 Emergency telephone number**

Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

No data available

2.2 Label elements

No data available

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Remark

no harmful ingredients



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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

Following inhalation

Provide fresh air.

In the event of symptoms refer for medical treatment.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, consult a physician.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion

Do NOT induce vomiting.

Let water be drunken in little sips (dilution effect).

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam

ABC-powder

Carbon dioxide (CO₂)

Water spray jet

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In the event of fire the following can be released:

Carbon monoxide

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

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

Remove all sources of ignition.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:
Sawdust

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Keep away from sources of ignition - No smoking.

Advices on general occupational hygiene

Remove contaminated, saturated clothing immediately.
Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Storage class

12 non-combustible liquids that cannot be assigned to any of the above storage classes

Materials to avoid

Do not store together with:
Oxidising agent

Further information on storage conditions

Recommended storage temperature: room temperature.

7.3 Specific end use(s)

No data available



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Personal protection equipment

Eye/face protection

tightly fitting goggles

Hand protection

Gloves (oil-resistant)

Respiratory protection

Respiratory protection necessary at:
insufficient exhaust
prolonged exposure

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

clear

Odour

odourless

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	> 220 °C		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	not determined		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	kinematic 39 mm ² /s (20°C)		
Solubility(ies)	Water solubility (20°C) pressure 1013 hPa		slightly soluble
Partition coefficient n-octanol/water (log value)	> 6.5		
Vapour pressure	< 1 hPa (20°C)		



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	Value	Method	Source, Remark
Density and/or relative density	approx. 0.818 g/mL (20°C) pressure 1013 mbar		
Relative vapour density	not determined		
particle characteristics	not determined		

9.2 Other information

Other safety characteristics

	Value	Method	Source, Remark
Explosive properties			The product is not explosive

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Oxidising agent, strong

10.6 Hazardous decomposition products

Carbon monoxide
Hydrocarbons

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Animal data

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	> 2000 mg/kg Species Rat		
Acute dermal toxicity	> 2000 mg/kg Species Rat		
Acute inhalation toxicity	> 5 mg/L Species Rat Exposure time 4 h		

Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
non-irritant.	OECD 404	



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Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
non-irritant.		

Sensitisation to the respiratory tract

not determined

Skin sensitisation

Animal data

Result / Evaluation	Dose / Concentration	Method	Source, Remark
not sensitising.			

Germ cell mutagenicity

Value	Method	Result / Evaluation	Remark
In vitro mutagenicity/genotoxicity		No mutagenity, after different in-vitro studies.	

Carcinogenicity

not determined

Reproductive toxicity

not determined

STOT-single exposure

Overall Assessment on CMR properties

STOT SE 1 and 2

Animal data

	Effective dose	Method	Specific effects:	Organs affected:	Source, Remark
Oral specific target organ toxicity (single exposure)	Species Rat				permanent contact with skin is not hazardous nor irritating.
Dermal specific target organ toxicity (single exposure)	Species Rat				permanent contact with skin is not hazardous nor irritating.
Inhalative specific target organ toxicity (single exposure)	Species Rat				permanent contact with skin is not hazardous nor irritating.

STOT-repeated exposure

not determined

Aspiration hazard

not determined

11.2 Information on other hazards

No data available



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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method, Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: > 1000 mg/L Test duration 96 h		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	EC50 > 1000 mg/L Species Daphnia magna (Big water flea) Test duration 72 h		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

12.2 Persistence and degradability

	Value	Method	Source, Remark
Biodegradation			Not readily biodegradable (according to OECD criteria)

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 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
130206 *	synthetic engine, gear and lubricating oils

Appropriate disposal / Product

Dispose of waste according to "Kreislaufwirtschaftsgesetz (KrWG)".



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Appropriate disposal / Package

Non-contaminated packages may be recycled.
Recycle sales packaging via DSD (Duales System Deutschland).

Remark

Waste removal corresponding to official directives

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	No data available		
14.7 Maritime transport in bulk according to IMO instruments	No data available		

SECTION 15: Regulatory information

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

No data available

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Additional information

National and local regulations concerning chemicals shall be observed.
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Indication of changes

* Data changed compared with the previous version