Safety data sheet
according to UK REACH

Printing date 30.07.2025 *Version number 3.0* *Revision: 27.07.2025*

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

1.1 Product identifier

Trade name: Magura Royal Blood

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
Application of the substance / the mixture *hydraulic fluid*

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Gustav Magenwirth GmbH & Co. KG
Stuttgarter Str. 48
D - 72574 Bad Urach
Tel.: +49(0) 71 25 - 1 53 - 0
Fax: +49(0) 71 25 - 1 53 - 16
magura.sdb@magura.de

Further information obtainable from: *Development / Occupational safety*

1.4 Emergency telephone number: *England, Scotland, Wales: 111; Northern Ireland: contact your local GP*

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SECTION 2: Hazards identification

2.1 Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the GB CLP regulation.
Hazard pictograms



GHS08

Signal word *Danger*

Hazard-determining components of labelling:
Distillates (petroleum), hydrotreated light paraffinic
1-Decene, Dimer, hydrogenated
Hazard statements
H304 May be fatal if swallowed and enters airways.
Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.

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P501 Dispose of contents/container to an approved waste disposal plant

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: This substance is neither persistent, bioaccumulative nor toxic (PBT).
vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Preparation
Description: Mixture of subsequent listed substances and harmless additives.

Dangerous components:		
CAS: 64742-55-8 EINECS: 265-158-7	Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1, H304	20–60%
CAS: 68649-11-6	1-Decene, Dimer, hydrogenated Asp. Tox. 1, H304; Acute Tox. 4, H332	10–25%

Additional information:
For the wording of the listed hazard phrases refer to section 16.
The mineral oils in this product contain < 3% DMSO extract (IP346).

SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
Consult a doctor and show this safety data sheet if symptoms occur or in cases of doubt.
Take affected persons out into the fresh air.
Do not leave affected persons unattended.
Personal protection for the First Aider.
After inhalation:
Supply fresh air; consult doctor in case of complaints.
In case of inhaling spray mist consult a doctor and show packaging or safety data sheet.
After skin contact:
Wash with soap and water. Remove contaminated clothing. If symptoms persist, consult a doctor.
After eye contact:
Rinse opened eye for several minutes under running water. Remove contact lenses, continue rinsing. If symptoms persist, consult a doctor.
After swallowing:
Rinse mouth with water. Do NOT induce vomiting! Danger of aspiration! Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms of poisoning after swallowing or aspiration can occur after several hours. Medical monitoring for at least 48 h is adviced.

4.3 Indication of any immediate medical attention and special treatment needed
If swallowed or in case of vomiting, danger of entering the lungs.
Treat symptomatically. Give oxygen, if necessary. Regulate circulatory functions, possibly shock treatment.
Subsequent monitoring for pneumonia and lung oedema.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents: Water with full jet.

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5.2 Special hazards arising from the substance or mixture
Formation of toxic/irritating gases possible when heated or in case of fire.
Decomposition products see chapter 10.

5.3 Advice for firefighters
Protective equipment:
Wear self-contained respiratory protective device.
Wear fully protective suit.
Additional information
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep away unprotected persons.
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
Keep away from naked flames, hot surfaces and sources of ignition.
Avoid contact with skin and eyes.
Do not inhale vapours and aerosols.
Close leaks without taking a personal risk.

6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
In case of seepage into the ground inform responsible authorities.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid prolonged or repeated skin contact.
Avoid contact with eyes.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Particular danger of slipping on leaked/spilled product.
Remove soiled, soaked clothing.
Keep away from food, drink and animal feed.
Wash hands before breaks and at the end of work.
Do not eat, drink or smoke at work.
Information about fire - and explosion protection: *Keep away ignition sources - Do not smoke.*

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Provide solvent resistant, sealed floor.
Prevent any seepage into the ground.
Information about storage in one common storage facility:
Store away from oxidising agents.

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Store separately from food, luxury foods and animal feed.
Further information about storage conditions:
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Storage class: *10 - flammable liquid, flashpoint >60°C*

7.3 Specific end use(s) *No further relevant information available.*

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic	
TWA	*Long-term value: 5 mg/m³*

Additional information: *The lists that were valid during the creation were used as basis.*

8.2 Exposure controls
Appropriate engineering controls *No further data; see section 7.*
General protective and hygienic measures:
Do not eat or drink while working.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid close or long term contact with the skin.
Avoid contact with the eyes.
Respiratory protection:
Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.
Use suitable respiratory protective device only when aerosol or mist is formed.
Filter A/P2
Hand protection



Protective gloves (EN 374)

Material of gloves
Use solvent/hydrocarbon resistant protective gloves in accordance with EN 374. Gloves made of the following materials are suitable: nitrile rubber (thickness > 0.38 mm, penetration time > 480 min), fluororubber (thickness > 0.38 mm, penetration time > 480 min).
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
For the permanent contact gloves made of the following materials are suitable:
Nitrile rubber, NBR
Fluorocarbon rubber (Viton)
Thickness > 0,38 mm
Permeation time > 480 min

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Eye/face protection



Safety goggles with side protection (frame goggles) (EN 166).

Body protection: *Protective work clothing (EN 14605)*

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	*Liquid*
Colour:	*Blue*
Odour:	*Characteristic*
Odour threshold:	*Not determined.*
Melting point/freezing point:	*Not determined.*
Boiling point or initial boiling point and boiling range	*>250 °C*
Flammability	*Not applicable.*
Lower and upper explosion limit	
Lower:	*0.6 Vol %*
Upper:	*7 Vol %*
Flash point:	*>150 °C*
Auto-ignition temperature:	*Not determined.*
Decomposition temperature:	*Not determined.*
pH	*Mixture is non-soluble (in water).*
Viscosity:	
Kinematic viscosity at 40 °C	*11 mm²/s*
Solubility	
water:	*Not miscible.*
Partition coefficient n-octanol/water (log value)	*Not determined.*
Density and/or relative density	
Density at 20 °C:	*0.83 g/cm³*
Relative density	*Not determined.*

9.2 Other information

Appearance:	
Form:	*Fluid*
Important information on protection of health and environment, and on safety.	
Ignition temperature:	*Product is not selfigniting.*
Explosive properties:	*Product does not present an explosion hazard.*
Solvent content:	
VOC (EC)	*0%*
Solids content:	*0.0 %*
Change in condition	
Softening point/range	
Oxidising properties	*Non-oxidising.*
Evaporation rate	*Not determined.*

Information with regard to physical hazard classes

Explosives	*Void*
Flammable gases	*Void*
Aerosols	*Void*
Oxidising gases	*Void*
Gases under pressure	*Void*
Flammable liquids	*Void*

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Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under recommended storage conditions.

10.2 Chemical stability Stable under normal conditions.
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Keep away from strong oxidants as well as reducing agents.

10.5 Incompatible materials:
strong oxidants
strong reducing agents

10.6 Hazardous decomposition products:
In case of fire:
CO_2, CO, NO_x, SO_x
Phosphorus oxides
Under certain conditions of fire, other toxic/irritant substances may form.

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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
Oral	LD50	>5,000 mg/kg (Acute Toxicity Estimate)
Dermal	LD50	>3,000 mg/kg (Acute Toxicity Estimate)

CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rabbit)

Aspiration hazard May be fatal if swallowed and enters airways.
11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

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SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential Bioaccumulation is not expected.

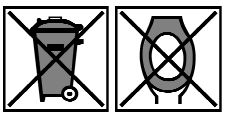
12.4 Mobility in soil After release, adsorbs onto soil.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects At intended use no interferences with environment are known or expected.
Other information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Must be specially treated adhering to official regulations.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number **ADR, IMDG, IATA**	not regulated
14.2 UN proper shipping name **ADR, IMDG, IATA**	not regulated
14.3 Transport hazard class(es) **ADR, ADN, IMDG, IATA** **Class**	not regulated
14.4 Packing group **ADR, IMDG, IATA**	not regulated
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Not applicable.

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14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
IMDG	
Limited quantities (LQ)	not any
UN "Model Regulation":	not regulated

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the GB CLP regulation.
Hazard pictograms



GHS08

Signal word Danger

Hazard-determining components of labelling:
Distillates (petroleum), hydrotreated light paraffinic
1-Decene, Dimer, hydrogenated
Hazard statements
H304 May be fatal if swallowed and enters airways.
Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container to an approved waste disposal plant

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases
H304 May be fatal if swallowed and enters airways.
H332 Harmful if inhaled.

Training hints
Upon request trainigs for to ensure safety of human health and of environment can be given. Contact see below.

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Classification according to Regulation (EC) No 1272/2008
The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: *Development / Occupational safety*

Contact: *Email: magura.sdb@magura.de*

Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Asp. Tox. 1: Aspiration hazard – Category 1

Sources
Data of raw material suppliers.
ECHA-Database, European Chemical Agency, https://echa.europa.eu.
GESTIS-Stoffdatenbank, Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung, https://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp.
**** Data compared to the previous version altered.***