Safety Data Sheet
acc. to OSHA HCS

Date of issue: 09/22/2025 *Reviewed on 08/28/2025*

1 Identification

Product identifier

Trade name: Blood Hymec
Other means of identification

Article number: *2703102*
Application of the substance / the mixture *Hydraulic oil*

Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Powersports MTG GmbH
Rübteile 1
72574 Bad Urach-Hengen
Germany
Telefon +49 (0)7125 9431-0
info@powersports-mtg.com

Information department: *Product safety department*

Emergency telephone number: *Poison Control Centers 1-800-222-1222*

2 Hazard(s) identification

Classification of the substance or mixture



GHS08 Health hazard

Aspiration hazard 1 H304 May be fatal if swallowed and enters airways.

Label elements
GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms



GHS08

Signal word *Danger*

Hazard-determining components of labeling:
Distillates (petroleum), hydrotreated light paraffinic
Hazard statements
May be fatal if swallowed and enters airways.
Precautionary statements
If swallowed: Immediately call a poison center/doctor.
Do NOT induce vomiting.
Store locked up.
Dispose of contents/container to an approved waste disposal plant

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Information pertaining to particular dangers for man and environment:
Classification system:
NFPA ratings (scale 0 - 4)
Health = 0
Fire = 1
Reactivity = 0
HMIS-ratings (scale 0 - 4)
Health = 0
Fire = 1
Reactivity = 0

Other hazards
Results of PBT and vPvB assessment
PBT: *Not applicable.*
vPvB: *Not applicable.*

3 Composition/information on ingredients

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

Components:		
CAS: 64742-55-8	*Distillates (petroleum), hydrotreated light paraffinic*	*80–100%*

Additional information: *The mineral oils in this product contain < 3% DMSO extract (IP346).*

4 First-aid measures

Description of first aid measures
General information:
Do not leave affected persons unattended.
Personal protection for the First Aider.
Consult a doctor and show this safety data sheet if symptoms occur or in cases of doubt.
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.

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.

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.

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5 Fire-fighting measures

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

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.

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.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
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 vapors and aerosols.
Close leaks without taking a personal risk.

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

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.
Protective Action Criteria for Chemicals

PAC-1:
None of the ingredients is listed.

PAC-2:
None of the ingredients is listed.

PAC-3:
None of the ingredients is listed.

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.

7 Handling and storage

Precautions for safe handling
The usual precautionary measures are to be adhered to when handling chemicals.
Avoid contact with eyes.
Avoid prolonged or repeated skin contact.

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Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Particular danger of slipping on leaked/spilled product.
Keep away from food, drink and animal feed.
Do not eat, drink or smoke at work.
Wash hands before breaks and at the end of work.
Information about protection against explosions and fires: Keep away ignition sources - Do not smoke.

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

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

8 Exposure controls/personal protection

Control parameters

Components with limit values that require monitoring at the workplace:	
CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic	
TWA (NIOSH)	Short-term value: 5 mg/m³
Ceiling limit value	STEL 10 mg/m³STEL 10 (Oil mist, mineral)
TWA (OSHA)	Short-term value: 5 mg/m³

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

Exposure controls
Appropriate engineering controls No further data; see section 7.
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Do not eat, drink, smoke or sniff while working.
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.
Breathing equipment:
Not necessary if room is well-ventilated.
Use suitable respiratory protective device only when aerosol or mist is formed.
Filter A/P2
Protection of hands:



Protective gloves

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Material of gloves
Use solvent/hydrocarbon resistant protective gloves according to 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.
Eye protection:



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

Body protection: *Protective work clothing*

9 Physical and chemical properties

Information on basic physical and chemical properties
General Information

Color:	*Red*
Odor:	*Characteristic*
Odor threshold:	*Not determined.*
Melting point/Melting range:	*Not determined.*
Boiling point/Boiling range:	*> 250 °C (> 482 °F)*
Flammability:	*Not applicable.*
Explosion limits:	
Lower:	*0.6 Vol %*
Upper:	*6.5 Vol %*
Flash point:	*> 140 °C (> 284 °F)*
Auto igniting:	*Not determined.*
Decomposition temperature:	*Not determined.*
Viscosity:	
Kinematic at 40 °C (104 °F):	*6.5 mm²/s*
Solubility in / Miscibility with	
Water:	*Not miscible or difficult to mix.*
Partition coefficient (n-octanol/water):	*Not determined.*
Vapor pressure:	
Density at 20 °C (68 °F):	*0.81 g/cm³ (6.76 lbs/gal)*
Particle characteristics	*Not applicable.*

Other information
Appearance:

Form:	*Fluid*
Important information on protection of health and environment, and on safety.	
Ignition temperature:	*Product is not selfigniting.*
Danger of explosion:	*Product does not present an explosion hazard.*
Change in condition	
Oxidizing properties	*Non-oxidizing.*
Evaporation rate	*Not determined.*

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10 Stability and reactivity

Reactivity Stable under recommended storage conditions.

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

Possibility of hazardous reactions No dangerous reactions known.

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

Incompatible materials:
strong oxidants
strong reducing agents

Hazardous decomposition products:
In case of fire:
CO2, CO, NOx, SO2
Phosphorus oxides
Under certain conditions of fire, other toxic/irritant substances may form.

11 Toxicological information

Information on toxicological effects
Acute toxicity:

LD/LC50 values that are relevant for classification:		
CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rabbit)

Primary irritant effect:
on the skin: No irritant effect.
on the eye: Slightly irritant, but not relevant to classification.
Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:

Carcinogenic categories

IARC (International Agency for Research on Cancer)
None of the ingredients is listed.

NTP (National Toxicology Program)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

12 Ecological information

Toxicity
Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Bioaccumulative potential Bioaccumulation is not expected.

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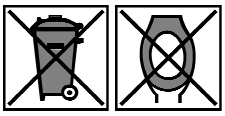
Mobility in soil After release, adsorbs onto soil.

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

Other adverse effects At intended use no interferences with environment are known or expected.
Other information:
General notes:
Water hazard class 1 (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.

13 Disposal considerations

Waste treatment methods
Recommendation:



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

Must be specially treated adhering to official regulations.

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

14 Transport information

UN-Number **DOT, ADN, IMDG, IATA**	not regulated
UN proper shipping name **DOT, ADN, IMDG, IATA**	not regulated
Transport hazard class(es) **DOT, ADN, IMDG, IATA** **Class**	not regulated
Packing group **DOT, IMDG, IATA**	not regulated
Environmental hazards:	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
IMDG **Limited quantities (LQ)**	not any
Special precautions for user	Not applicable.
UN "Model Regulation":	not regulated

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15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
No further relevant information available.
Sara

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.

TSCA (Toxic Substances Control Act):
All components of this product are listed in the Toxic Substance Control Act Chemical Substance Inventory (TSCA).

Hazardous Air Pollutants
None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)
None of the ingredients is listed.

TLV (Threshold Limit Value)
None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

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

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.

Training hints
Upon request trainigs for to ensure safety of human health and of environment can be given. Contact see below.
Independent trainigs for handling of dangerous goods can be taken at established testing and monitoring organizations.

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.
Version number of previous version: 2.3
Date of preparation 09/22/2025

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Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Aspiration hazard 1: Aspiration hazard – Category 1

Sources
Data of raw material suppliers.
GESTIS-Stoffdatenbank, Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung, https://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp.