SAFETY DATA SHEET



Blasol MHP 15W40

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

- **1.1 Product identifier**
- Product name Article No.
- : Blasol MHP 15W40
- : 00260-50
- **Product description**
- : Industrial use only.
- Lubricants, greases, release products

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

	Identified uses
Industrial use only. Lubricants, greases, release products	
	Uses advised against
Consumer use.	

1.3 Details of the supplier of the safety data sheet

Manufacturer	:	BLASER SWISSLUBE AG Winterseistrasse 22 CH-3415 Hasle-Rüegsau Switzerland
		Tel:+41 (0)34 460 01 01
		E-Mail: contact@blaser.com
Supplier's details	:	Jemtech (UK) Ltd. Bellbrook Industrial Estate Uckfield TN22 1QL East Sussex Tel:+44 1825 767640 E-Mail: sales@jemtech.co.uk
e-mail address of person responsible for this SDS	:	reach@blaser.com

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number	: 111
<u>Supplier</u>	
Telephone number	: +44 1235 239670

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to UK CLP/GHS

Aquatic Chronic 3, H412

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

(24h/7d)

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

SECTION 2: Hazards identification

Signal word	1	No signal word.
Hazard statements	4	H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements		
General	:	Not applicable.
Prevention	:	P273 - Avoid release to the environment.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	1	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	:	None known.

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	Туре	
Distillates (petroleum), hydrotreated heavy paraffinic	REACH #: 01-2119484627-25 EC: 265-157-1 CAS: 64742-54-7	≥50 - ≤75	Asp. Tox. 1, H304	[1]	
Phenol, tetrapropenyl-, sulfurized, carbonates, calcium salts, overbased	EC: 701-251-5	≤3	Aquatic Chronic 4, H413	[1]	
phenol, dodecyl-, branched	REACH #: 01-2119513207-49 EC: 310-154-3 CAS: 121158-58-5 Index: 604-092-00-9	<0.25	Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)	[1]	
			See Section 16 for the full text of the H statements declared above.		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid n	neasures
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Avoid breathing vapour or mist. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media		
Suitable extinguishing media	:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	:	None known.
5.2 Special hazards arising fr	om	the substance or mixture
Hazards from the substance or mixture	:	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	:	No specific data.
5.3 Advice for firefighters		
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	te	ctive equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
6.3 Methods and material for	со	ntainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
6.4 Reference to other sections	:	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 5 to 40°C (41 to 104°F). Shelf life: 36 months. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SECTION 7: Handling and storage

7.3 Specific end use(s)

Recommendations

- Industrial sector specific solutions
- : Not available.
- : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures

: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
phenol, dodecyl-, branched	DNEL	Long term Oral	0.075 mg/	General	Systemic
	DNEL	Long term Dermal	kg bw/day 0.075 mg/ kg bw/day	population General population	Systemic
	DNEL	Long term Dermal	0.25 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.79 mg/m ³	General population	Systemic
	DNEL	Short term Oral	1.26 mg/ kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	13.26 mg/ m ³	General population	Systemic
	DNEL	Short term Inhalation	44.18 mg/ m³	Workers	Systemic
	DNEL	Short term Dermal	50 mg/kg bw/day	General population	Systemic
	DNEL	Short term Dermal	166 mg/kg bw/day	Workers	Systemic

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls	Good general ventilation should be sufficient to control worker exposure to a contaminants.	rborne
Individual protection measure		
Hygiene measures	Wash hands, forearms and face thoroughly after handling chemical products before eating, smoking and using the lavatory and at the end of the working Appropriate techniques should be used to remove potentially contaminated of Wash contaminated clothing before reusing. Ensure that eyewash stations a safety showers are close to the workstation location.	beriod. lothing.
Eye/face protection	Safety eyewear complying with an approved standard should be used when a assessment indicates this is necessary to avoid exposure to liquid splashes, gases or dusts. If contact is possible, the following protection should be worn unless the assessment indicates a higher degree of protection: safety glass side-shields.	mists, 1,
Skin protection		

SECTION 8: Exposure controls/personal protection

Hand protection	b tr c d s e	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates his is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Wear suitable gloves tested to EN374. Nitrile gloves. thickness 0.3 mm minimum).
Body protection		Personal protective equipment for the body should be selected based on the task being performed and the risks involved before handling this product.
Other skin protection	S	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved before handling his product.
Respiratory protection	W	A respirator is not needed under normal and intended conditions of product use. If vorkers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
Environmental exposure controls	e Ir	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. n some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Brown.
Odour	: Characteristic.
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flammability (solid, gas)	: Not available.
Upper/lower flammability or explosive limits	: Not available.
Flash point	: Open cup: 230°C
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
рН	: Not applicable.
Viscosity	: Kinematic (40°C): 101 mm ² /s
Solubility in water	: Not available.
Miscible with water	: No.
Partition coefficient: n-octanol/ water	Not applicable.
Vapour pressure	: Not available.
Relative density	: Not available.
Density	: 0.866 g/cm ³ [20°C]
Vapour density	: Not available.
Explosive properties	: Not available.
Oxidising properties	: Not available.
Particle characteristics	

SECTION 9: Physical and chemical properties

Median particle size

: Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity	No specific test data related to reactivity available for this product or its ing	redients.
10.2 Chemical stability	Shelf life: 36 months.	
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not o	occur.
10.4 Conditions to avoid	No specific data.	
10.5 Incompatible materials	No specific data.	
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition pro should not be produced.	oducts

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Phenol, tetrapropenyl-, sulfurized, carbonates, calcium salts, overbased	LD50 Dermal	Rabbit	>4000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
phenol, dodecyl-, branched	LD50 Oral	Rat	2100 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
phenol, dodecyl-, branched	2100	N/A	N/A	N/A	N/A

Irritation/Corrosion		
Conclusion/Summary	: Not available.	
Sensitisation		
Conclusion/Summary	: Not available.	
Mutagenicity		
Conclusion/Summary	: Not available.	
Carcinogenicity		
Conclusion/Summary	: Not available.	
Reproductive toxicity		
Conclusion/Summary	: Not available.	
Teratogenicity		
Conclusion/Summary	: Not available.	
Specific target organ tox	<u> kicity (single exposure)</u>	
Date of issue/Date of revision	: 22. Jan. 2024 Date of previous issu	е

: 1.00

SECTION 11: Toxicological information

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Product/ingredient name	Result
Distillates (petroleum), hydrotreated heavy paraffinic	ASPIRATION HAZARD - Category 1

Information on likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

: Not available.
: Not available.
: Not available.
: Not available.
<u>ects</u>
: Not available.
: No known significant effects or critical hazards.
: No known significant effects or critical hazards.
: No known significant effects or critical hazards.
: No known significant effects or critical hazards.

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Distillates (petroleum), hydrotreated heavy paraffinic	Acute LC50 >1000 mg/l	Fish	96 hours
	NOEC 0.004 mg/l Acute EC50 0.037 mg/l	Crustaceans Crustaceans	21 days 48 hours

SECTION 12: Ecological information

Conclusion/Summary

: Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
phenol, dodecyl-, branched	6.1	1601	High

12.4 Mobility in soil	
Soil/water partition	: Not available.
coefficient (Koc)	
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product		
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.	
Hazardous waste	: Yes.	
Waste catalogue		
Waste code	Waste designation	
	Waste designation	
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils	
13 02 05*		



SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	Not regulated.	9006	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	-	-
14.3 Transport hazard class(es)	-	9	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	Yes.	No.	No.

Additional information

: The product is only regulated as a dangerous good when transported in tank vessels.

user

ADN

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk : Not available. according to IMO instruments

SECTION 15: Regulatory information

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

UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants Not listed.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Seveso Directive

SECTION 15: Regulatory information

This product is not controlled under the Seveso Directive.

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air	: Not listed	
Industrial emissions (integrated pollution prevention and control) - Water	: Not listed	
International regulations		
Chemical Weapon Convent	ion List Schedules I, II & III Chemicals	
Not listed.		
Montreal Protocol Not listed.		
Stockholm Convention on Persistent Organic Pollutants Not listed.		
Rotterdam Convention on Prior Informed Consent (PIC) Not listed.		
UNECE Aarhus Protocol on Not listed.	POPs and Heavy Metals	

15.2 Chemical safety assessment

: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	 ATE = Acute Toxicity Estimate GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level
	EUH statement = GB CLP-specific Hazard statement
	N/A = Not available
	PBT = Persistent, Bioaccumulative and Toxic
	PNEC = Predicted No Effect Concentration
	RRN = REACH Registration Number SGG = Segregation Group
	vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H360F	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

SECTION 16: Other information

Full text of classifications

Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Aquatic Chronic 4	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Repr. 1B	REPRODUCTIVE TOXICITY - Category 1B
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C

IP346:

The contained refined mineral oils are exempt of labelling. The content of polycyclic aromatic hydrocarbons (PCA) according to IP346 is < 3% (DMSO-extract).

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Prepared by	: Product Stewardship Blaser Swisslube AG

Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.