Telephone: (44)01827 255719
Email: distributors@img-limited.co.uk
Industrial Maintenance Group Distributors
Riverside Industrial Estate
Fazeley, Tamworth
Staffordshire, B78 3RW

Aqua Lube

Issued: 10/02/2020, Revision No: 2
Regulation (EC) No. 453/2010

1. IDENTIFICATION OF SUBSTANCE / MIXTURE OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Material name: Aqua Lube

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

Product use: Water displacing liquid

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier: IMG Ltd.,
Unit M
Riverside Industrial Estate
Fazeley
Tamworth
B78 3RW

Telephone: 01827 283322

Fax: 01827 250143

Email (for SDS): sales@img-limited.co.uk

1.4 Emergency tel. no: 01827 283322 (Available from 8.30 – 17.00 hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Physical and Chemical hazards	Flam. Aerosol 1; H222; H229
Human Health	EUH066
Environment	Aq.Chronic 4; H413

2.2 Label elements

Label according to EC Directives: 1272/2008/EC:

Signal word: Danger

Pictogram(s):

Hazard Statements:	H222	Extremely flammable aerosol.
	H229	Pressurised container: May burst if heated.
	H413	May cause long-lasting harmful effects to aquatic life.
Precautionary Statements:	P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Pressurised container: Do not pierce or burn even after use.

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	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P332+P313	If skin irritation occurs: Get medical advice/attention.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
	P501	Dispose of contents/container in accordance with national regulations.
Supplementary label statements:	EUH066	Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards: In use, may form flammable / explosive vapour-air mixture.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components:

Chemical Name	CAS.No/ EC No./ Reg.No	Classification (1272/2008/EC)	Content
Hydrocarbons, C11-C12, Isoalkanes, <2% Aromatics	EC: 918-167-1	Flam.Liq.3; H226 Asp.Tox.1; H304 Aquatic Chronic 3; H413 EUH066	50-70%
Liquefied Petroleum Gas (contains <0.1% 1,3-butadiene)	CAS: 68476-85-7 EC: 270-704-2	Flam.Gas 1; H220 Gas under pressure; H280	25-50%
N-Oleoyl Sarcosine	CAS: 110-25-8 EC: 203-749-3	Skin Irr.2; H315 Eye Dam.1; H318 Acute Tox.4; H332 Aquatic Acute 1; H400	<1%
Oleyl Hydroxyethyl Imidazoline	CAS: 95-38-5 EC: 202-414-9	Acute Tox.4; H302 Skin Corr.1B; H314 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	<1%

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Eye contact: Rinse with water for 10 minutes and seek medical advice if irritation persists.

Inhalation: Remove to fresh air. Seek medical advice.

Skin contact: Wash with soap and water. Seek medical advice if irritation develops.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to skin and eyes with prolonged contact.

4.3 Indication of any immediate medical attention and special treatment needed: See skin and eye contact information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.

Unsuitable extinguishing media: High volume water jet.

5.2 Special hazards arising from the substance or mixture

Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Standard procedure for chemical fires. Use water spray to cool containers. Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up

Wipe up spillage with absorbent material such as sand, earth or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 Reference to other sections

See Section 8 for personal protective equipment.

See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not breathe vapour. Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated area. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

7.3 Specific end use(s)

No information available.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

Chemical Name	8hr TWA	15min STEL	Reference
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	1000 mg/m^3	-	Supplier

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal Protective Equipment

Hand protection: Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time ≥ 480 minutes. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice.

Eye protection: Chemical splash goggles of EN 166 standard if eye contact is reasonably probable.

Skin protection: General work wear.

Respiratory protection: If vapour levels are high, wear a respirator conforming to EN 140 with type A filter or better.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour: Aerosol emitting a hazy clear liquid.
Odour: Characteristic.
Odour threshold: No data available.
Flammability: Extremely flammable
Flash point: <0°C
Lower explosion limit: 0.6%
Upper explosion limit: 9.0%
Explosive properties: Not explosive.
Thermal decomposition: No data available.
Auto-ignition temperature: 430°C.
Oxidising properties: Non-oxidising.
Solubility in water: Insoluble.
Solubility in other solvents: Soluble in most organic solvents.
pH: Not applicable.
Melting point / range: No data available.
Boiling point / range: No data available.
Relative Density: Not applicable.

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Vapour pressure:	No data available.
Vapour density:	>1 (air =1)
Partition coefficient: n-octanol / water:	No data available.
Viscosity (kinematic):	No data available.
Evaporation rate:	No data available.

9.2 Other information No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	Heat, flames and other sources of ignition.
10.5 Incompatible materials	Strong acids, oxidising agents, alkalis.
10.6 Hazardous decomposition products	Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

Chemical Name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Hydrocarbons, C11-C12, isoalkanes, <2%	>5000 mg/kg (Rat)	No data available	>5000mg/kg (Rabbit)

Symptoms / routes of exposure

Skin corrosion / irritation:	May cause skin irritation. May dry the skin leading to discomfort and dermatitis.
Serious eye damage / irritation:	May cause eye irritation.
Respiratory or skin sensitisation:	Not classed as a respiratory or skin sensitiser.
Repeated dose toxicity:	No data available.
Carcinogenicity:	Not carcinogenic.
Mutagenicity:	No known significant effects.
Toxicity for reproduction:	No data available.
Specific target organ toxicity (STOT):	No data available.

Further information: The product as a whole may cause irritation of skin, eyes, nose and upper respiratory tract if exposed to high levels of vapour.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	Daphnia Rainbow Trout Algae	EC50 24h LC50 96h EC50 24h	>100 mg/l >100 mg/l >100 mg/l

12.2 Persistence and degradability	Inherently biodegradable.
12.3 Bioaccumulative potential	Not expected to bioaccumulate significantly.
12.4 Mobility in soil	Insoluble in water and will float on the surface.

12.5 Results of PBT and vPvB assessment	Contains no PBT or vPvB substances.
12.6 Other adverse effects	None expected.

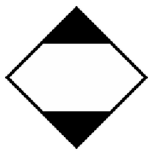
13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in accordance with local/national regulations. Contact licensed waste disposal company.

14. TRANSPORT INFORMATION

General Information: The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30 kg gross weight, or shrink/stretch wrapped onto trays up to 20 kg gross weight may be transported as Limited Quantities, and should display the following symbol on the pack:



The following information relates to all other aerosols not transported as Limited Quantities:

14.1 UN number	ADR/RID/AND; IMDG; ICAO	1950
14.2 UN Proper shipping name	AEROSOLS	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	2, 5F
	ADR/RID/ADN Class	Class 2, gases
	ADR Label No.	2.1
	IMDG Class	2
	ICAO Class/Division	2
	ICAO Subsidiary Risk	2.1
Transport labels		
14.4 Packing group	ADR/RID/AND; IMDG; ICAO	Not applicable for aerosols
14.5 Environmental hazards	Marine Pollutant	No
14.6 Special precautions for user	EMS	F-D, S-U

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable.

15. REGULATORY INFORMATION

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

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical safety assessments / reports are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation EU 453/2010, amending Regulation (EC) No 1907/2006 (REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals).

Tariff number: 34031990

Full text of H-statements referred to under sections 2 and 3

H220	Extremely flammable gas
H222	Extremely flammable aerosol
H226	Flammable liquid and vapour
H280	Contains gas under pressure; may explode if heated
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure
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
EUH066	Repeated exposure may cause skin dryness or cracking

Abbreviations and acronyms

CAS	Chemical Abstract Service (division of the American Chemical Society) – Section 3.
STOT	Single Target Organ Toxicity – Section 11.
TWA	Time Weighted Average – Section 8.
STEL	Short Term Exposure Limit – Section 8.
DNEL	Derived No Effect Level – Section 8.
EC50	Effective Concentration, 50 percent – Section 12.
LD50	Lethal Dose, 50 percent – Section 11.
LC50	Lethal Concentration, 50 percent – Section 11.
PBT	Persistent, Bioaccumulative, Toxic – Section 12.
VPvB	very Persistent and very Bioaccumulative – Section 12.

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Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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