Kylarvätska MPG FBL

01.12.2021

SAFETY DATA SHEET

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

1.1 Product identifier

Kylarvätska MPG FBL

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

Antifreeze fluid, ready-mixed

1.3 Details of the supplier of the safety data sheet

Supplier

Agro Oil
Box 30192
104 25 Stockholm, Sweden
Telephone +46 (0)10-556 00 00
E-mail info@agrol.se

1.4 Emergency telephone number

Sweden

Swedish Poisons Information Centre	010-456 67 00 (Open 24/7)
Emergency	112 (Ask for the Posion Centre)

Finland

Poison Information Centre	09-471 977 (Open 24/7)
Emergency	112 (Ask for the Poison Centre)

Norway

Norwegian Poison Information Centre	22 59 13 00 (Open 24/7)
Emergency	113 (Ask for the Poison Centre)

SECTION 2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The product does not meet the criteria for classification according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Other labelling

EUH210. Safety data sheet available on request

2.3 Other hazards

None known

SECTION 3. COMPOSITION/INFORMATION OM INGREDIENTS

3.2 Mixtures

Classification according to Regulation (EC) No 1272/2008 [CLP]

Name	EC no.	CAS no.	REACH reg no.	% (w/w)	Hazard statements
Propan-1,2-diol	200-338-0	57-55-6	*	40-60	-

* Not available or REACH registration not required

Also contains anti-corrosion inhibitors that do not affect the classification of the product.

Other information

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SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

After inhalation: Fresh air and rest. If difficulties in breathing get medical advice.
After eye contact: Rinse the eyes gently with water for at least 5 minutes. If symptoms persist consult a doctor.
After skin contact: Take off contaminated clothing. Wash skin with soap and water
After ingestion: Rinse mouth and drink water. Do **not** induce vomiting. Contact a doctor if experiencing symptoms.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Small amounts are not expected to produce any acute or delayed symptoms.
Eye: May cause mild eye irritation.
Skin: Repeated and prolonged contact may appear dehydrating on the skin.
Ingestion: Small amounts are not expected to produce any acute or delayed symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Can be extinguished using dry powder, foam or carbon dioxide (CO_2).
Unsuitable extinguishing media: Do not use direct water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire, toxic and corrosive gases may develop.

5.3 Advice for firefighters

Precautions according to the standard procedure for chemical fires. Use water **only** to cool down containers that are exposed to fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with eyes and skin.

6.2 Environmental precautions
Do not allow discharge to enter sewers, watercourses or the ground.

6.3 Methods and material for containment and cleaning up
Contain/absorb spillages with suitable absorbent material such as sand or active clay.

6.4 Reference to other sections
See Section 8 for Exposure controls / personal protection and Section 13 for disposal considerations..

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid prolonged or repeated contact with skin. Avoid inhalation of vapours, mist or fumes.
Do not reuse soiled clothing unless laundered.

7.2 Conditions for safe storage, including any incompatibilities
Containers must be kept tightly closed and sealed, in a cool and dry place. Keep out of reach of children.

7.3 Specifik end use
See Section 1.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Exposure limits according to National regulations

Sweden and Finland
Contains no substances with occupational exposure limits in the workplace.

Regulations concerning Action and Limit values, Norway

Name	Cas nr	ppm	mg/m3	Note	Last amended
Propane-1,2-diol	57-55-6	25	79	-	2007

8.2 Exposure controls
Appropriate technical measures
Ensure adequate ventilation. Methods are designed to prevent direct contact.

Personal protection

Respiratory protection:	Normally not needed.
Eye/face protection:	Wear eye protection (safety glasses with side shields or full face shield) when risk of splashing.
Skin protection:	Wear protective gloves (Butyl rubber, Neoprene rubber, Nitrile rubber) and protective clothing.

Environmental exposure control

Prevent discharges into drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Green
Odour:	Sweet
Melting point / freezing point:	< 36 °C
Boiling point or initial boiling point and boiling range:	> 100 °C
Flammability:	The product is not classified as flammable but can ignite and maintain a fire.
Upper / lower flammability or explosive limits:	No information
Flash point:	> 100 °C
Auto-ignition temperature:	> 400 °C
Decomposition temperature:	No information
pH	approx. 7
Kinematic viscosity:	No information
Solubility:	Soluble in water
Partition coefficient n-octanol/water:	log K_{ow} -1
Vapour pressure	No information
Density and/or relative density:	1 g/cm^3
Relative vapour density:	No information
Particle characteristics:	Not relevant (liquid)

9.2 Other information

9.2.1. Information with regard to physical hazard classes

Not relevant

9.2.2 Other safety characteristics

Not relevant

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is not reactive under normal conditions.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None specific.

10.5 Incompatible materials

The product may react with strong oxidizing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11. TOXIKOLOGICAL INFORMATION

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

Acute toxicity

Not considered to be acutely toxic.

Propane-1,2-diol	LD_{50} Oral Rat: 20 000 mg/kg LD_{50} Dermal Rabbit: 20 800 mg/kg

Corrosive / irritating on the skin

Repeated and prolonged contact may appear dehydrating on the skin.

Serious eye damage / irritation

May cause mild eye irritation.

Respiratory / skin sensitization

Not considered to be sensitizing.

Germ cell mutagenicity

Not considered to be cause mutations in germ cells.

Carcinogenicity

Not considered to be carcinogenic.

Toxic to reproduction

Not considered to be toxic to reproduction.

Specific organ toxicity-single exposure

No information available.

Specific organ toxicity-repeated exposure

No information available.

Aspiration Hazard

Not considered to be an aspiration hazard.

11.2 Information on other hazards

Endocrine disrupting properties

Based on available information, this mixture contains no substance which is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100 or (EU) 2018/605 in concentrations ≥ 0.1% (w/w).

SECTION 12. ECOLOGICAL INFORMATION

The product is not classified as hazardous to the environment.

12.1 Toxicity

Propane-1,2-diol	LC_{50} Fish 96 h: 710 mg/L (Pimephales promelas) LC_{50} Crustacean 48 h: 1020 mg/L (Ceriodaphnia dubia) EC_{50} Daphnia 48 h: > 1000 mg/L (Daphnia magna)

12.2 Persistence and degradability

Degradability: > 70 %, 28 d.
Readily biodegradable

12.3 Bioaccumulative potential

Propan-1,2-diol	Log Pow = -1.0 Low potential for bioaccumulation

12.4 Mobility in soil

The product is soluble in water and is considered to be mobile in soil.

12.5 Results of PBT och vPvB assessment

Based on available information, this mixture contains no substance that meets the PBT or vPvB criteria according to Annex XIII to Regulation (EC) No. 1907/2006 (REACH).

12.6 Endocrine disrupting properties

Based on available information, this mixture contains no substance which is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100 or (EU) 2018/605 in concentrations ≥ 0.1% (w/w).

12.7 Other adverse efffects

None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Classified as conventional waste according to Commission Regulation (EU) No 1357/2014 on waste.

Prevent discharge into drains.

Suggested waste code (EWC): 16 01 15 antifreeze fluids other than those mentioned in 16 01 14

Packaging

EWC-code: 15 01 02, Plastic packaging
EWC-code: 15 01 04, Metallic packaging

Dispose of contents/container to approved waste disposal facility in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

The product is not covered by the regulations for the transport of dangerous goods.

	ADR/RID	ADN	IMDG	IATA /ICAO
14.1 UN-number or ID number	N/A	N/A	N/A	N/A
14.2 UN proper shipping name	N/A	N/A	N/A	N/A
14.3 Transport hazard class	N/A	N/A	N/A	N/A
14.4 Packing group	N/A	N/A	N/A	N/A
14.5 Environmental hazards	N/A	N/A	N/A	N/A

14.6 Special precautions for user
Not applicable.

14.7 Maritime transport in bulk according to IMO instruments
Not applicable.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety data sheet is prepared in accordance with the EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No 1907/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH) and Commission Regulation (EU) No 2020/878 of 18 June 2020 amending the European Parliament and Council Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH).

Regulations
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substance and mixtures (CLP).

Commission Regulation (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste.

Sweden
AFS 2011:19, amended by AFS 2018:2 (Chemical risks at work)
KIFS 2017:7 (Chemical products and Biotechnicological organisms Regulation)

Finland

715/2001 (Chemical risks at work)

Norway

Regulations concerning the design and layout of workplaces and work premises (the Workplace Regulations)
Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents (Regulations concerning Action and Limit values)

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Please note! This safety data sheet is an English translation applicable for Sweden, Norway and Finland. A safety data sheet in local language is also available. Please refer to the Agro Oil webshop for safety data sheets in local languages. https://webshop.agrol.se/

Classification procedure

Test data is prioritized when classifying the product. When no test data are available the classification criteria in Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP) have been used.

Hazard statements in Section 3

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Abbreviations

ADN	International Carriage of Dangerous Goods by Inland Waterways
ADR	International Carriage of Dangerous Goods by Road
BCF	Bio Concentration Factor
BOD5/COD	Biological Oxygen Demand 5 days/Chemical Oxygen demand
BOD (MITI)	Biological Oxygen Demand
DNEL	Derived No Effect Level
EC_{50}	Effective Concentration (concentration that gives response in 50% of test subjects)
ECHA	European Chemical Agency
EmS	Emergency Schedule Information
HTP	Exposure value, concentrations of impurities in workplace air known to be harmful.
IARC	International Agency for Research on Cancer
IATA/ICAO	IATA Dangerous goods regulation / ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air
IC_{50}	Inhibitory Concentration (concentration that shows inhibition in 50% of the test subjects)
IMDG	International Maritime Dangerous Goods Code
KTV	Short term exposure values, normally 15 minutes
LC_{50}	Lethal Concentration (concentration causing the death of 50% of a group of test animals)
LD_{50}	Lethal Dose (dose causing the death of 50% of a group of test animals)
Log Pow	Partition coefficient of octanol - water
MITI	Ministry of International Trade and Industry, Japan
NGV	Long term exposure value, normally 8 hours.
NOEC	No Observed Effect Concentration
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bio-accumulative and Toxic substance

PNEC	Predicted No Effect Concentration
RID	International Carriage of Dangerous Goods by Rail
STEL	Short Term Exposure Limit
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	very Persistent and very Bioaccumulative

Advice on education

The user of this product should have training that is relevant to the properties of the product and relevant use.

References

Information from the supplier: SDS in Swedish, 2021-08-17
Classification & Labelling Inventory Database, ECHA.
Registered substances, ECHA.

Version description

The information has been modified under the following sections in the safety data sheet: 1, 3-4, 7-16

The safety data sheet is dated 01.12.2021 and replaces the version dated 21.11.2019.