

Material Safety Data Sheet



Completed 15-03-2021
Revision: (date) 09-05-2023
SDS version 1.2

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

1.1. Product Identifier

Trade Name: Windscreen Cleaner 6ON
Product- no.: 110199, 130125, 130134, 130134SD, 130135, 130135L, 130135H, 130135K,
130138, 130146, 130147, 130148, 130150, 130151, 130152, 130152D, 130152HN,
130154, 130156, 130161, 130165, 130166, 130180, 130180D, 130180GD, 130182,
130185, 130190, 130434, 130435, 134034, 134035, 134038, 134040, 134041, 134042,
134051

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

Recommended uses:

Screen wash.

Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:

Alaska A/S
Løkkebyvej 12
DK-5953 Tranekær
Tlf: +45 59 43 15 10
www.alaska.dk

Contact person and E-mail:

alaska@alaska.dk

The Safety data sheet is completed and validated by:

Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KN

1.4. Emergency telephone number

NHS: 111

Use your national or local emergency number - See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008):

Flam. Liq. 3;H226

See full text of H-phrases in section 16.

2.2. Label elements



Signal word:

Warning

Flammable liquid and vapour. (H226)

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Store in a well-ventilated place. Keep container tightly closed. (P403 + P233)

Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards

The product contains organic solvents. Repeated exposure to organic solvents may cause damage to the central nervous system and internal organs fx. liver and kidney.

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Additional labelling:

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Additional warnings

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SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Ethanol	603-002-00-5 / -	64-17-5	200-578-6	Flam. Liq. 2;H225	<24	1
Ethane-1,2-diol	603-027-00-1 / -	107-21-1	203-473-3	Acute Tox. 4;H302	3	1

1) The substance is an organic solvent.

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

In case of discomfort: Seek fresh air.

Seek medical advice in case of persistent discomfort.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.

Seek medical advice in case of discomfort.

Skin contact:

Remove contaminated clothing.

Wash skin with soap and water.

Seek medical advice in case of persistent discomfort.

Eye contact:

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Burns:

Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

Additional information:

When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

4.3. Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguish with powder, foam, carbon dioxide or water mist.

Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Flammable liquid and vapour.

Product decomposes in fire conditions and toxic gases such as COx may be released.

Fire will produce dense black smoke.

5.3. Advice for firefighters

Fire fighters should wear appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.
 Avoid static electricity.
 Avoid breathing.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment.
 See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.
 Use the product under well-ventilated conditions.
 Smoking and naked flames prohibited.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.
 Keep in tightly closed packaging. Store frost-free.
 Store fireproof. Storage for flammable liquids must follow local regulations for flammable stock.
 Storage temperature: 20 °C

7.3. Specific end use(s)

See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

Substance	Long-term exposure limit ppm / mg/m ³	Short-term exposure limit ppm / mg/m ³	Note
Ethanol	1000 / 1920	- / -	-
Ethane-1,2-diol, particulate	- / 10		Sk
Ethane-1,2-diol, vapour	20 / 52	40 / 104	Sk

Sk = Can be absorbed through the skin.

DNEL/PNEC-values:

DNEL Ethanol

	Workers	Consumers
Inhalation - Chronic Systemic	950 mg/m ³	114 mg/m ³
Dermal - Chronic Systemic	343 mg/kg bw/day	206 mg/kg bw/day
Oral - Chronic Systemic	-	87 mg/kg bw/day

DNEL Ethane-1,2-diol

	Workers	Consumers
Inhalation - Chronic Local	35 mg/m ³	7 mg/m ³
Dermal - Chronic Systemic	106 mg/kg bw/day	53 mg/kg bw/day

PNEC Ethanol

Fresh water	0.96 mg/L
Intermittent releases (Fresh water)	2.75 mg/L
Marine water	0.79 mg/L
Soil	0.63 mg/kg soil dw

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PNEC Ethane-1,2-diol

Fresh water	10 mg/L
Intermittent releases (Fresh water)	10 mg/L
Marine water	1 mg/L
Intermittent releases (Marine water)	10 mg/L
Soil	1.53 mg/kg soil dw

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wear the personal protective equipment specified below.

Personal protective equipment:



Respiratory protection:

Generally not required.

In case of insufficient ventilation, wear respiratory protective equipment with filter A2.

Hand protection:

Recommended:

Wear protective gloves made of butyl rubber (> 0.5 mm).

Penetration time: > 240 min

Eye/face protection:

Generally not required.

Skin protection:

Generally not required.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Light blue
Odour:	Alcohol
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	78
Flammability:	-
Lower and upper explosion limit (vol-%):	15 / 3.5 (Ethanol)
Flash point (°C):	35
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm ² /s):	-
Solubility:	Soluble in water
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

VOC (Volatile organic compounds):	<240 g/l
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SECTION 10: Stability and reactivity

10.1. Reactivity

Non-reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

Combustible at temperatures above the flash point.

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10.3. Possibility of hazardous reactions

No risk of hazardous reactions.

10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as COx may be released.

SECTION 11: Toxicological information

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

Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Ethanol	Oral	Rat	LD50	10470 mg/kg bw
Ethanol	Inhalation	Rat	LC50/ 4 Hours	116.9 mg/L air
Ethane-1,2-diol	Inhalation	Rat	LC50/ 6 Hours	> 2.5 mg/L air
Ethane-1,2-diol	Dermal	Mouse	LD50	> 3500 mg/kg bw

Skin corrosion/irritation:

May irritate the skin – may cause reddening.

Can be absorbed through the skin causing symptoms such as dizziness and headache.

Serious eye damage/irritation:

May cause eye irritation.

Respiratory or skin sensitisation:

Based on the existing data, the classification is not met.

Germ cell mutagenicity:

Based on the existing data, the classification is not met.

Carcinogenicity:

Based on the existing data, the classification is not met.

Reproductive toxicity:

Based on the existing data, the classification is not met.

STOT-single exposure:

The product releases organic solvent vapours. At high concentrations, the vapours may cause headache, dizziness, intoxication and possible unconsciousness.

STOT-repeated exposure:

Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

Aspiration hazard:

Based on the existing data, the classification is not met.

11.2. Information on other hazards

Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Ethanol	96 Hours	Fish	LC50	15.3 g/L
Ethanol	48 Hours	Daphnia	LC50	5012 mg/L
Ethanol	72 Hours	Algae	EC50	275 mg/L
Ethane-1,2-diol	96 Hours	Fish	LC50	> 72860 mg/L
Ethane-1,2-diol	48 Hours	Daphnia	EC50	> 100 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Ethanol	Yes	BOD	5 Days 74%
Ethane-1,2-diol	Yes	OECD Guideline 301 A	10 Days 90-100%

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12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Ethanol	No	-0.35
Ethane-1,2-diol	No	-1.36

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Test data are not available.

12.7. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
20 01 13	Solvents

Specific labelling:

-

Contaminated packaging:

Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

SECTION 14: Transport information

Not dangerous according to ADR and IMDG, as the product is an aqueous solution with no more than 24 vol% alcohol. The product is subjected to SP 144 for UN 1170.

14.1 -14.4.

ADR

-

IMDG

-

14.5. Environmental hazards

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14.6. Special precautions for user

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14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

Sources:

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

Additional labelling:

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Declaration in accordance to the EU regulation no. 648/2004:

Less than 5%:

Anionic surfactants

Polycarboxylates

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Restrictions for application:

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training. Special care should be applied for pregnant and lactating women.

Demands for specific education:

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15.2. Chemical safety assessment

None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:

Sources:

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

EU regulation no. 276/2010

Directive 2008/98/EC

ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

Classification according to Regulation (EC) Nr. 1272/2008:

Flam. Liq. 3;H226 On basis of test data

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

General update.

This material safety data sheet replaces version:

1.1