

SAFETY DATA SHEET

Chemstar Antifreeze Super

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	27.01.2016
Revision date	09.10.2018

1.1. Product identifier

Product name	Chemstar Antifreeze Super
Synonyms	BS6580

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

Use of the substance / preparation Kjølevæske

1.3. Details of the supplier of the safety data sheet

Producer

Company name	Wilhelmsen Chemicals AS
Office address	Kirkeveien 578
Postal address	P O Box 15
Postcode	3143
City	KJØPMANNSKJÆR
Country	Norway
Telephone number	+47 33351500
Email	chemicals@wilhelmsen.com
Website	www.wilhelmsenchemicals.no
Contact person	Kjærsti Ilebrekke - kjersti.ilebrekke@wilhelmsen.com

1.4. Emergency telephone number

Emergency telephone	Telephone number: Tel.: 33 35 15 00 Description: Wilhelmsen Chemicals AS
	Telephone number: 22591300 Description: Giftinformasjonssentralen - 24 timer - Tlf.

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Acute tox. 4; H302 STOT RE 2; H373
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2.2. Label elements

Hazard pictograms (CLP)



Composition on the label	Sodium 2-ethylhexanoate 0,1 < 3 %, Ethanediol 60 -100 %
Signal word	Warning
Hazard statements	H302 Harmful if swallowed. H373 May cause damage to organs Nyre through prolonged or repeated exposure
Precautionary statements	P102 Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand. P260 Do not breathe dust / fume / gas / mist / vapours / spray. P264 Wash huden thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician. P501 Dispose of contents / container to godkjent fyllplass

2.3. Other hazards

Other hazards	Not entered.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents
Sodium 2-ethylhexanoate	CAS No.: 19766-89-3 EC No.: 243-283-8	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Repr. 2; H361d	0,1 < 3 %
Ethanediol	CAS No.: 107-21-1 EC No.: 203-473-3 Index No.: 603-027-00-1 REACH Reg. No.: 01-2119456816-28-xxxx	Acute tox. 4; H302	60 -100 %
Substance comments	Se avsnitt 16 for setninger i fulltekst.		



SECTION 4: First aid measures

4.1. Description of first aid measures

General	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
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Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
Ingestion	Immediately rinse mouth and drink plenty of water. Induce vomiting, if person is conscious. Rinse mouth again and drink 1-2 glasses of water and 40 ml ethanol (liqueur). Immediate transportation to hospital. Bring along these instructions. Do not give victim anything to drink if he is unconscious.

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

Information for health personnel	Treat Symptomatically. Provide rest, warmth and fresh air.
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4.3. Indication of any immediate medical attention and special treatment needed

Other information	No specific treatment required, see section 4.3.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO ₂).
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5.3. Advice for firefighters

Personal protective equipment	Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.
Fire fighting procedures	Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Do not smoke or use open fire, or other sources of ignition. For personal protection, see section 8.
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6.2. Environmental precautions

Environmental precautionary measures	Do not contaminate water sources or sewer.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Absorb in vermiculite, dry sand or earth and place into containers. Large quantities should not be discharged into the drain but removed with absorbing
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clothing daily if there is any possibility of contamination.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Blue.
Odour	Sweetish.
pH	Status: In aqueous solution Value: 8 Test reference: 50% i vann
Freezing point	Value: -18 °C
Boiling point / boiling range	Value: > 163 °C Comments: Trykk: 760mmHg
Density	Value: 1,1 g/cm ³ Temperature: 20 °C
Viscosity	Value: 20 - 30 cst Temperature: 20 °C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Ingen fare for farlig polymerisering.
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10.4. Conditions to avoid

Conditions to avoid	Avoid contact with acids and oxidising substances.
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10.5. Incompatible materials

Materials to avoid	Avoid alkalis, strong acids and heat.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Aldehyder (høy temperatur), ketoner (høy temperatur).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
 Type of toxicity: Acute
 Effect tested: LD50
 Route of exposure: Oral
 Value: > 2000 mg/kg
 Species: Rotte
 Comments: 1,2 -etandiol

Substance
 Ethanediol

Acute toxicity
Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: > 3500 mg/kg
Animal test species: mus, han og hun

Other information regarding health hazards

Inhalation
 Not relevant at normal room temperatures. When heated, harmful vapours may be formed.

Skin contact
 May be absorbed through injured skin and cause poisoning.

Eye contact
 Irritating.

Ingestion
 May cause intoxication, headache, dizziness, stomach pains, convulsions, and in serious cases, unconsciousness, acute kidney failure, breathing and heart failure. Lethal dose for an adult person: approx. 50-100 ml (ethanediol).

STOT-repeated exposure
 Causes damage to organs nyre through prolonged orrepeated exposure .

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic, fish
 Value: > 100 mg/l
 Test duration: 96h
 Test reference: 1,2 -etandiol

Substance
 Ethanediol

Acute aquatic, fish
Toxicity type: Acute
Value: 72860 mg/l
Exposure time: 96 hour(s)
Species: Pimephales promelas

Exposure time: 48 hour(s)

Substance
 Ethanediol

Acute aquatic, algae
Toxicity type: Acute
Value: 6500 -13000 mg/l
Exposure time: 72 hour(s)
Test reference: Selenastrum capricornutum

Acute aquatic, Daphnia
 Value: > 100 mg/l
 Test duration: 48h
 Test reference: 1,2 -etandiol

Substance
 Ethanediol

Acute aquatic, Daphnia

Toxicity type: Acute
Value: > 100 mg/l
Exposure time: 48 hour(s)
Species: Daphnia magna

12.2. Persistence and degradability

Biodegradability

Value: > 70 %
Method: OECD 301A (1,2 -etandiol)
Test period: 28d

Substance

Ethanediol

Biodegradability

Value: 90 -100 %
Method: OECD TG 301 A

12.3. Bioaccumulative potential

Bioaccumulative potential

Bioaccumulation: Is not expected to be bioaccumulable.

Substance

Ethanediol

Bioconcentration factor (BCF)

Value: -1,36
Comments: log Pow

12.4. Mobility in soil

Mobility

Not considered mobile.

12.5. Results of PBT and vPvB assessment

PBT assessment results

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Other adverse effects, comments

Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal

Collect in marked containers and deliver to approved depot. Confirm disposal procedures with environmental engineer and local regulations. Avoid release to the environment.

EWC waste code

EAL: 16 01 14 frostvæske som inneholder farlige stoffer

SECTION 14: Transport information

14.1. UN number

Comments

Not relevant.

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group**14.5. Environmental hazards****14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code****Additional information**

ADR / RID / ADN hazard label	Ikke relevant.
IMDG Hazard label	Ikke relevant.
ICAO / IATA Hazard label	Ikke relevant.
Additional information	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

ADR / RID - Other information

ADR Other information	Not relevant.
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ADN - Other information

Other information	Not relevant.
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IMDG / ICAO / IATA Other information

IMDG Other information	Not relevant.
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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

References (laws/regulations)	EH40/2005, Workplace exposure limits 2005, with amendments. Regulation 1272/2008/EEC. Classification, labelling and packing of dangerous substances and preparations. This Safety Data Sheet has been prepared in accordance with Directive (EU) 2015/830. Norwegian regulation of product registration. FOR-2015-05-19-541.
Declaration No.	319051

15.2. Chemical safety assessment**SECTION 16: Other information**

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
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List of relevant H-phrases (Section 2 and 3)	H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure
Key literature references and sources for data	Material Safety Data Sheet. Misc. manufacturers.
Version	5
Prepared by	Kjærsti Ilebrekke - Wilhelmsen Chemicals AS
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