



# SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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## Autocare De-icer 600ml

Revision 0  
Revision date 2023-11-21

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

#### 1.1. Product identifier

Product name	Autocare De-icer 600ml
Other means of identification / UFI	UFI: 9E00-E032-F00K-Q4AC
Product code	DEI-70017

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

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); [PC4] Anti-Freeze and de-icing products;
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#### 1.3. Details of the supplier of the safety data sheet

Company	Future Developments (Man) Limited
Address	Brunswick Industrial Estate Davenport Street Burslem, Stoke on Trent ST6 4HS
Web	www.fdev.co.uk
Telephone	01782 829000
Fax	
Email	sales@fdev.co.uk
Email address of the competent person	sales@fdev.co.uk

#### 1.4. Emergency telephone number



Emergency telephone number	0844 892 0111
Company	National Poisons Information Service (UK only, 24/7, healthcare professionals only)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Aerosols 1: H222; Aerosol 1: H229; Skin Irrit. 2: H315; Eye Irrit. 2: H319;
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#### 2.2. Label elements

Hazard pictograms	 
Signal Word	Danger
Hazard Statement	Aerosols 1: H222 - Extremely flammable aerosol. Aerosols, 1: H229 - Pressurised container: May burst if heated. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.

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## 2.2. Label elements

Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.
Precautionary Statement: Storage	P102 - Keep out of reach of children. P410+P412 - Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.

## 2.3. Other hazards

Other hazards	No known adverse environmental effects.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Ethanol	603-002-00-5	64-17-5	200-578-6	01-2119457610-43	20 - 30%	Flam. Liq. 2: H225;
Mono ethylene glycol (Ethane-1,2-diol particulate)	603-027-00-1	107-21-1	203-473-3	01-2119456816-28	1 - 10%	Acute Tox. 4: H302;
Butane	601-004-00-0	106-97-8	203-448-7	01-2119474691-32	1 - 10%	Flam. Gas 1: H220;
Isobutane	601-004-00-0	75-28-5	200-857-2	01-2119485395-27	1 - 10%	Flam. Gas 1: H220;
Propane	601-003-00-5	74-98-6	200-827-9	01-2119486944-21	1 - 10%	Flam. Gas 1: H220;
Ammonia solution	007-001-01-2	1336-21-6	215-647-6	01-2119488876-14	0.5 - 1%	Skin Corr. 1B: H314; Aquatic Acute 1: H400;
Methanol	603-001-00-X	67-56-1	200-659-6	01-2119433307-44	0.5 - 1%	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H301; STOT SE 1: H370;

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	No known adverse health effects. Seek medical attention if irritation or symptoms persist.

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

	If you feel unwell, seek medical advice (show the label where possible).
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## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Alcohol resistant foam. Carbon dioxide (CO2). Water spray.
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## 5.2. Special hazards arising from the substance or mixture

	Aerosol. Heat will increase pressure in sealed containers.
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## 5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Use water spray or fog for cooling exposed containers. Wear suitable respiratory equipment when necessary.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Keep public away from danger area. Keep upwind. Wear suitable protective equipment. Avoid contact with eyes and skin. Do not breathe gas/fumes/vapour/spray.
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## 6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained. Do not allow product to enter drains.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Do not allow product to enter drains. Wear suitable gloves and eye/face protection.
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## 6.4. Reference to other sections

	See section 8 for further information.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Keep in a cool, dry, well ventilated area. Use only in well-ventilated areas. Avoid contact with eyes and skin. Avoid release to the environment. Refer to special instructions/Safety data sheets. Avoid sparks, flames, heat and sources of ignition.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep container in a well-ventilated place. Store in a cool, dry area. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
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## 7.3. Specific end use(s)

	Keep container in a well-ventilated place. Keep out of the reach of children. Not to be used inside vehicles.
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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

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## 8.1.1. Exposure Limit Values

Ammonia solution	WEL 8-hr limit ppm: 20 WEL 15 min limit ppm: 50 WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total respirable dust:	WEL 8-hr limit mg/m3: 14 WEL 15 min limit mg/m3: 47.6 WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total respirable dust:
Butane	WEL 8-hr limit ppm: 600 WEL 15 min limit ppm: 750 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 1450 WEL 15 min limit mg/m3: 1810 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 1920 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Methanol	WEL 8-hr limit ppm: 200 WEL 15 min limit ppm: 250 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 266 WEL 15 min limit mg/m3: 333 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Mono ethylene glycol (Ethane-1,2-diol particulate)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Mono ethylene glycol (Ethane-1,2-diol vapour)	WEL 8-hr limit ppm: 20 WEL 15 min limit ppm: 40 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 52 WEL 15 min limit mg/m3: 104 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

## Exposure Pattern - Workers

	No data available.
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## Exposure Pattern - General population

	No data available.
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## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	No safety clothing required.
Eye / face protection	Not normally required.
Skin protection - Handprotection	Not normally required.
Skin protection - Other	After contact with skin, wash immediately with plenty of water.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

Appearance	Liquid/Aerosol
Colour	Colourless
Odour	Ammoniacal
pH	10.5 - 11.5
Flammability (solid, gas)	No data available
Upper Explosive Limit	No data available
Lower Explosive Limit	No data available
Autoignition temperature	No data available
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

## 9.2.1. Information with regard to physical hazard classes

	No data available.
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## 9.2.2. Other safety characteristics

	No data available.
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## Further information

	No data available.
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## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No data is available on this product.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	Pressurised container: May burst if heated.
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## 10.4. Conditions to avoid

	Do not expose to temperatures exceeding 50°C/ 122°F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Direct sunlight.
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## 10.5. Incompatible materials

	No data available.
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## 10.6. Hazardous decomposition products

	Carbon oxides.
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## SECTION 11: Toxicological information

## 11.1 Information on hazard classes

Acute toxicity	No Significant Hazard.
Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met).
Serious eye damage/irritation	Not classified (Based on available data, the classification criteria are not met).
Respiratory or skin sensitisation	Not classified (Based on available data, the classification criteria are not met).
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met).
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met).
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met).
STOT-single exposure	Not classified (Based on available data, the classification criteria are not met).
STOT-repeated exposure	Not classified (Based on available data, the classification criteria are not met).
Aspiration hazard	Not classified (Based on available data, the classification criteria are not met).

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## 11.1 Information on hazard classes

Repeated or prolonged exposure	Not classified (Based on available data, the classification criteria are not met).
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## 11.1.2. Mixtures

	No data available.
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## 11.1.3. Hazard Information

	No data available.
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## 11.1.4. Toxicological Information

Ethanol	Dermal Rat LD50: 15800 Inhalation Rat LC50/4 h: 20	Oral Rat LD50: 10470
Methanol	Dermal Rat LD50: 17100 Inhalation Rat LC50/4 h: 43.68	Oral Rat LD50: 1187

## SECTION 12: Ecological information

## 12.2. Persistence and degradability

	No data available.
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## 12.3. Bioaccumulative potential

## Partition coefficient

	Ethanol -0.35 log P Methanol -0.77 log P	Ammonia solution Not applicable.
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## 12.4. Mobility in soil

	No data available.
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## 12.5. Results of PBT and vPvB assessment

	No data available.
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## 12.6 Endocrine disrupting properties

	No known adverse environmental effects.
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## 12.7. Other adverse effects

	No data available.
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## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	Dispose of contents/container to local and national regulations.
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## General information

	Can be recycled if in compliance with local and national regulations.
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## SECTION 14: Transport information

## Hazard pictograms

	
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## 14.1. UN number

	UN1950
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## 14.2. UN proper shipping name

	AEROSOLS
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## 14.3. Transport hazard class(es)

ADR/RID	2
Subsidiary risk	see SP63
IMDG	2
Subsidiary risk	see SP63
IATA	2
Subsidiary risk	see SP63

## 14.4. Packing group

Packing group	-
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## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	-
Tunnel Category	(D)

## IMDG

EmS Code	F-D S-U
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## IATA

Packing Instruction (Cargo)	203
Maximum quantity	150 kg
Packing Instruction (Passenger)	203
Maximum quantity	75 kg

## SECTION 15: Regulatory information

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

Regulations	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).
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## 15.2. Chemical safety assessment

	No data available.
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## SECTION 16: Other information

## Other information

Text of Hazard Statements in Section 3	<p>Flam. Liq. 2: H225 - Highly flammable liquid and vapour.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Flam. Gas 1: H220 - Extremely flammable gas.</p> <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p> <p>Acute Tox. 3: H301 - Toxic if swallowed.</p> <p>Acute Tox. 3: H311 - Toxic in contact with skin.</p> <p>Acute Tox. 3: H331 - Toxic if inhaled.</p> <p>STOT SE 1: H370 - Causes damage to organs .</p> <p>STOT SE 2: H371 - May cause damage to organs .</p>
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