

**SAFETY DATA SHEET**

ADVANCEDGEL CC

**Page:** 1**Compilation date:** 11/11/2019**Revision No:** 1.0**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** ADVANCEDGEL CC**REACH registered number(s):** EXEMPT - MIXTURE**Product code:** 354**UFI:** 4NCG-0479-D931-MNDH**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC35: Washing and cleaning products (including solvent based products). Air  
Conditioning condenser cleaner**1.3. Details of the supplier of the safety data sheet****Company name:** Advanced Engineering Ltd

Guardian House

Stroudley Road

Basingstoke

Hampshire

RG24 8NL

United Kingdom

**Tel:** +44(0)1256460300**Fax:** +44(0)1256462266**Email:** sales@advancedengineering.co.uk**1.4. Emergency telephone number****Emergency tel:** Advanced Engineering Ltd (24hr) +44 (0)203 394 9889**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Skin Corr. 1B: H314**Most important adverse effects:** Causes severe skin burns and eye damage.**2.2. Label elements****Label elements:****Hazard statements:** H314: Causes severe skin burns and eye damage.**Hazard pictograms:** GHS05: Corrosion**Signal words:** Danger

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# SAFETY DATA SHEET

ADVANCEDGEL CC

Page: 2

**Precautionary statements:** P260: Do not breathe spray.

P280: Wear protective clothing, eye protection, face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Haz. ingredients (label):** ORTHOPHOSPHORIC ACID

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### ORTHOPHOSPHORIC ACID

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-633-2	7664-38-2	-	Skin Corr. 1B: H314	30-50%

UREA - REACH registered number(s): 01-2119463277-33-XXXX

200-315-5	57-13-6	Substance with a Community workplace exposure limit.	-	1-10%
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D P M - REACH registered number(s): 01-2119450011-60-XXXX

252-104-2	34590-94-8	Substance with a Community workplace exposure limit.	-	1-10%
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##### HYDROCHLORIC ACID

231-595-7	-	-	Skin Corr. 1B: H314; STOT SE 3: H335	1-10%
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##### POLY(OXY-1,2-ETHANEDIYL), ALPHA-ISODECYL-OMEGA-HYDROXY

-	61827-42-7	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%
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##### METHANOL

200-659-6	67-56-1	-	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

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# SAFETY DATA SHEET

ADVANCEDGEL CC

Page: 3

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

**Skin contact:** Severe burns may occur. Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** There may be severe pain. Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises. Do not induce vomiting.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Corrosive. In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not

[cont...]

# SAFETY DATA SHEET

ADVANCEDGEL CC

Page: 4

attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Remove all incompatible materials as outlined in section 10 of SDS.

## 6.2. Environmental precautions

**Environmental precautions:** In bulk packaged form, do not discard into Drains, Sewers or surface water courses.

## 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water. Avoid all incompatible materials in clean-up procedure - see section 10 of SDS. Refer to section 13 of SDS for suitable method of disposal.

## 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** PC35: Washing and cleaning products (including solvent based products). Air Conditioning condenser cleaner

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**ORTHOPHOSPHORIC ACID**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	-	-

**UREA**

UK	-	-	4 mg/m <sup>3</sup>	-
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# SAFETY DATA SHEET

ADVANCEDGEL CC

Page: 5

## D P M

UK	50 ppm (308 mg/m <sup>3</sup> )	-	-	-
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## HYDROCHLORIC ACID

UK	2 mg/m <sup>3</sup>	8 mg/m <sup>3</sup>	-	-
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## METHANOL

UK	266 mg/m <sup>3</sup>	333 mg/m <sup>3</sup>	-	-
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## DNEL/PNEC Values

### Hazardous ingredients:

## UREA

Type	Exposure	Value	Population	Effect
DNEL	Dermal	580 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	292 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (repeated dose)	580 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	292 mg/m <sup>3</sup>	Workers	Systemic
PNEC	Fresh water	0.047 mg/l	-	-
PNEC	Marine water	0.047 mg/l	-	-

## D P M

Type	Exposure	Value	Population	Effect
DNEL	Dermal (repeated dose)	283 mg/kg/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	308 mg/kg	Workers	Systemic
DNEL	Dermal (repeated dose)	121 mg/kg/day	Consumers	Systemic
DNEL	Inhalation (repeated dose)	37.2 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Oral (repeated dose)	36 mg/kg/day	Consumers	Systemic
PNEC	Fresh water	19 mg/l	-	-
PNEC	Marine water	1.9 mg/l	-	-
PNEC	Intermittent Release	190 mg/l	-	-
PNEC	Microorganisms in sewage treatment	4168 mg/l	-	-
PNEC	Fresh water sediments	70.2 mg/kg/day	-	-
PNEC	Marine sediments	7.02 mg/kg/day	-	-
PNEC	Soil (agricultural)	2.74 mg/kg/day	-	-

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Nitrile gloves. EN 374-1:2003

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

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# SAFETY DATA SHEET

ADVANCEDGEL CC

Page: 6

**Skin protection:** Impermeable protective clothing.

**Environmental:** In bulk packaged form, do not discard into Drains, Sewers or surface water courses.

Ensure all engineering measures mentioned in section 7 of SDS are in place.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Yellow

**Odour:** Barely perceptible odour

**Solubility in water:** Soluble

**Viscosity:** Viscous

**Boiling point/range°C:** >35

**Flash point°C:** >93

**pH:** 1

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Alkalis.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

[cont...]

## SAFETY DATA SHEET

ADVANCEDGEL CC

Page: 7

### Hazardous ingredients:

#### ORTHOPHOSPHORIC ACID

ORL	RAT	LD50	1530	mg/kg
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#### UREA

DERMAL	RBT	LD50	> 3.2	g/kg
ORAL	RAT	LD50	14300	mg/l

#### D P M

DERMAL	RBT	LD50	9510	mg/kg
ORAL	RAT	LD50	5000	mg/kg
VAPOURS	RAT	LC50	3.35	mg/l

#### METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

### Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** Severe burns may occur. Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** There may be severe pain. Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

[cont...]

# SAFETY DATA SHEET

ADVANCEDGEL CC

Page: 8

## Hazardous ingredients:

### UREA

ALGAE	192H NOEC	47	mg/l
FISH	96H LC50	6810	mg/l
WATER FLEA	24H EC50	10000	mg/l

### D P M

Daphnia magna	48H EC50	1919	mg/l
FISH	96H LC50	10000	mg/l
Scenedesmus Subspicatus	72H EC50	6999	mg/l

## 12.2. Persistence and degradability

**Persistence and degradability:** The biodegradability of the surfactants contained in this product are in accordance with the requirements of the EU Detergent Regulation (EC/648/2004). Biodegradable.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

## 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil. Soluble in water.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Recovery of components used for pollution abatement.

**Waste code number:** 16 03 03

**Disposal of packaging:** Clean with water. May be reused following decontamination. Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN3264

[cont...]



# SAFETY DATA SHEET

ADVANCEDGEL CC

Page: 9

## 14.2. UN proper shipping name

**Shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
(ORTHOPHOSPHORIC ACID)

## 14.3. Transport hazard class(es)

**Transport class:** 8

## 14.4. Packing group

**Packing group:** II

## 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

## 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 2

**IMDG seg. group:** 1

## Section 15: Regulatory information

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

**Specific regulations:** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of the 16th December 2008 on Classification, labeling and packaging of Substances and Mixtures. The biodegradability of the surfactants contained in this product are in accordance with the requirements of the EU Detergent Regulation (EC/648/2004).

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H225: Highly flammable liquid and vapour.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H314: Causes severe skin burns and eye damage.

[cont...]

## SAFETY DATA SHEET

ADVANCEDGEL CC

Page: 10

H318: Causes serious eye damage.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H370: Causes damage to organs.

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