

SAFETY DATA SHEET

ADVANCEDGEL CC

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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: Aspen Pumps Asia Pacific
8 Waddikee Road
Lonsdale
SA 5160
Australia

Tel: +61 (8) 8186 4666

Fax: +61 (8) 8186 4632

Email: sales@aspenpumps.com.au

1.4. Emergency telephone number

Emergency tel: Australian Poisons Information Centre: Tel: 13 11 26

Advanced Engineering Ltd (24hr) +44 (0) 1256 854318

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



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Signal words: Danger

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% |
|-----------|---------|--|---|-------|

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% |
|-----------|------------|--|---|-------|

HYDROCHLORIC ACID

| | | | | |
|-----------|---|---|--------------------------------------|-------|
| 231-595-7 | - | - | Skin Corr. 1B: H314; STOT SE 3: H335 | 1-10% |
|-----------|---|---|--------------------------------------|-------|

POLY(OXY-1,2-ETHANEDIYL), ALPHA-ISODECYL-OMEGA-HYDROXY

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

METHANOL

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|-----------|---------|---|---|-----|
| 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% |
|-----------|---------|---|---|-----|

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.

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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.

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

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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 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 |
|-------|------------|--------------|------------|--------------|
| | | | | |

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| | | | | |
|----|---------------------|---------------------|---|---|
| EU | 1 mg/m ³ | 2 mg/m ³ | - | - |
|----|---------------------|---------------------|---|---|

METHANOL

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|----|-----------------------|---|---|---|
| EU | 260 mg/m ³ | - | - | - |
|----|-----------------------|---|---|---|

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 ³ | Workers | Systemic |
| DNEL | Dermal (repeated dose) | 580 mg/kg bw/day | Workers | Systemic |
| DNEL | Inhalation (repeated dose) | 292 mg/m ³ | 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 ³ | 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.

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.

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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

Hazardous ingredients:

ORTHOPHOSPHORIC ACID...100%

| | | | | |
|-----|-----|------|------|-------|
| ORL | RAT | LD50 | 1530 | mg/kg |
|-----|-----|------|------|-------|

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

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

METHANOL

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|-----|-----|------|------|-------|
| 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

Hazardous ingredients:

UREA

| | | | |
|-------|-----------|------|------|
| ALGAE | 192H NOEC | 47 | mg/l |
| FISH | 96H LC50 | 6810 | mg/l |

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| | | | |
|------------|----------|-------|------|
| WATER FLEA | 24H EC50 | 10000 | mg/l |
|------------|----------|-------|------|

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|-------------------------|----------|-------|------|
| 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

14.2. UN proper shipping name

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

[cont...]

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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.

H318: Causes serious eye damage.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H370: Causes damage to organs.

[cont...]

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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.