



Polishing & Detailing Products

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MATERIAL SAFETY DATA SHEET

Conforms to 91/155/EEC-2001/58/EC

1. Identification of the substance / preparation and of the company / undertaking

Identification of the substance or preparation

Product name : APC Degreaser

Reference Number : PAPC

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Use of the substance/preparation : Maintenance product.

2. Composition / information on ingredients

Substance/Preparation :Preparation

Ingredient Name	CAS#	%	EC#	Classification
Dissodium metasilicate	6834-92-0	2-5	229-912-9	C; R34 XI; R37
Potassium hydroxide	1310-58-3	1-3	215-181-3	Xn; R22 C; R35
Glycol Ether EB (Ethylene Monobutyl Ether)	111-76-2	2-5	203-905-0	Xn; R20 Xi; R36/38

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Denmark				
Dissodium metasilicate	6834-92-0	2-5	229-912-9	C; R34 Xi; R37
Potassium hydroxide	1310-58-3	1-3	215-181-3	Xn; R22 C; R35
Glycol Ether EB	111-76-2	2-5	203-905-0	Xn; R20 Xi; R36/38
Finland				
Dissodium metasilicate	6834-92-0	2-5	229-912-9	C; R34 Xi; R37
Potassium hydroxide	1310-58-3	1-3	215-181-3	Xn; R22 C; R35
Glycol Ether EB	111-76-2	2-5	203-905-0	Xn; R20 Xi; R36/38
Netherlands				
Dissodium metasilicate	6834-92-0	2-5	229-912-9	C; R34 Xi; R37
Potassium hydroxide	1310-58-3	1-3	215-181-3	Xn; R22 C; R35
Glycol Ether EB	111-76-2	2-5	203-905-0	Xn; R20 Xi; R36/38

★ Occupational Exposure Limit(s), If available, are listed in Section 8

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.



Classification :C; R34 Xn; R22 Xn; R20
:Xi; R37 C; R35 Xi; R36/38

Human health hazards : Harmful by inhalation, Harmful if swallowed, Causes burns, Causes severe burns, irritating to eyes, irritating to skin

See Section 11 for more detailed information on health effects and symptoms.

4. First aid measures

First aid measures

Inhalation :If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing, is difficult, give oxygen. Obtain medical attention immediately.

Ingestion :Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Obtain medical attention immediately

Skin Contact :In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes

Eye contact :In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.

5. Fire-fighting measures

NFPA	Health	2	Flammability	0	Reactivity	0
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Extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical, or CO ₂ .
Special exposure hazards	:	No specific hazard.
Hazardous thermal decomposition products	:	These products are nitrogen oxides (NO, NO ₂), halogenated compounds, hydrogen fluoride.
Special protective equipment for fire-fighters	:	Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal Precautions	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
Environmental precautions and cleanup methods	Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information. If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling	:	Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapour or mist. Wash thoroughly after handling.
Storage	:	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Packaging materials Recommended	:	Use original container.

8. Exposure controls/personal protection

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
Denmark Potassium hydroxide	80/1107EEC(Europe,2000). Notes: Indicative TWA: 2.5 mg/m ³ 8 hour(s). EU OEL (Europe, 2000). Notes: Indicative TWA: 2.5 mg/m ³ 8 hour(s).
Finland Potassium hydroxide	INRS (France,1999). Notes: Not Legal VME: 2.5 mg/m ³ 8 hour(s).
Netherlands Potassium hydroxide	80/1107EEC(Europe,2000). Notes: Indicative TWA: 2.5 mg/m ³ 8 hour(s). EU OEL (Europe, 2000). Notes: Indicative TWA: 2.5 mg/m ³ 8 hour(s).

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Exposure controls

- Occupational exposure controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection : Use an approved, properly fitted, powered-air purifying respirator or respirator of equivalent or greater protection.
- Hand Protection : Use chemical resistant, impervious gloves.
- Eye protection : Safety glasses. Goggles, face shield, or other full-face protection if potential exists for direct exposure to aerosols or splashes.
- Skin protection : Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Appropriate techniques should be used to remove potentially contaminated clothing.

9. Physical and chemical properties

General information

Appearance

- Physical state : Liquid.
- Colour : Orange.
- Odour : Strong.

Important health, safety and environmental information

- pH : 13 [Base.]
- Boiling point : 99°C(210.2°F)
- Flash point : Closed cup: Higher than 93.3°C (200°F). (Pensky-Martens.)
- Explosive properties : Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
- Oxidising properties : Not applicable
- Vapour pressure : The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water).
- Relative density : 1.04 g/cm³
- Solubility : Miscible in water.
- Vapour density : >1 (Air=1)
- Evaporation Rate : <1 compared to Butyl acetate.
- VOC Content : 6% (v/v).

Other information

10. Stability and reactivity

- Stability : The product is stable.
- Materials to avoid : Reactive with oxidizing agents, alkalis.
- Hazardous Decomposition Products : These products are Potassium hydrate (KOH) hygroscopic solids. Potassium hydroxide.

11. Toxicological information

Potential Acute Health Effects

- Inhalation : Corrosive to the respiratory system.
- Ingestion : Toxic if swallowed.
- Skin Contact : Corrosive to the skin.
- Eye contact : Corrosive to eyes.

Acute toxicity

Ingredient Name	Test	Result	Route	Species
Potassium Hydroxide	LD50	1200mg/kg	Oral	Guinea pig

Over-exposure signs/symptoms

12. Ecological information





Other adverse effects :Not available

13. Disposal considerations

- Methods of disposal : Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.
- Waste Classification : Not applicable.
- European Waste Catalogue (EWC) : Not applicable.
- Hazardous Waste : Not applicable

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	UN1813	Corrosive solid n.o.s. (Potassium hydroxide)	8	III		
AND Class	UN1813	Corrosive liquid n.o.s. (Potassium hydroxide)	8	III		
IMDG Class	UN1813	Corrosive liquid n.o.s. (Potassium hydroxide)	8	III		
IATA-DGR Class	UN1813	Corrosive liquid n.o.s. (Potassium hydroxide)	8	III		

15. Regulatory informacion

EU Regulations

Hazard symbol(s)



Risk Phrases	R20- Harmful by inhalation R22- Harmful if swallowed. R34- Causes burns R35- Causes severe burns R36- Irritating to eyes R37- Irritating to respiratory system R38- Irritating to skin
Safety Phrases	:S1/2-Keep locked up and out of the reach of children. S26-In case of contact with eyes, rinse immediately with plenty of water seek medical advice.
Contains	:Potassium hydroxide
Product Use	:Classificacion and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use. -Industrial applications.
EC Statistical Classification	:3402905030

16. Other information

Full text of R phrases referred to in Sections 2 and 3- Denmark : R20- Harmful by inhalation
R22- Harmful if swallowed.
R34- Causes Burns.
R35- Causes severes burns
R36- Irritating to eyes
R37- Irritating to respiratory system
R38- Irritating to skin

Full text of classifications referred to in Sections 2 and 3- Denmark : C - Corrosive
Xi - Irritants
Xn- Preparations

Full text of R phrases referred to in Sections 2 and 3- Finland : R20-Harmful by inhalation
R22- Harmful if swallowed.
R34- Causes Burns.
R35- Causes severes burns
R36- Irritating to eyes
R37- Irritating to respiratory system
R38- Irritating to skin

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Full text of classification referred to in Sections 2 and 3- Finland : C - Corrosive
Xi - Irritants
Xn- Preparations

Full text of R phrases referred to in Sections 2 and 3- Netherlands : R20- Harmful by inhalation
R22- Harmful if swallowed.
R34- Causes Burns.
R35- Causes severe burns
R36- Irritating to eyes
R37- Irritating to respiratory system
R38- Irritating to skin

Full text of classifications referred to in Sections 2 and 3- Netherlands : C - Corrosive
Xi - Irritants
Xn- Preparations

Notice to Reader

To the best of our knowledge, all the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any responsibility whatsoever for the accuracy of the information contained herein. Final determination regarding suitability of any material is the sole responsibility of the user. All materials may represent unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.