



SAFETY DATA SHEET

ALUMINIUM CLEANER

1. IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name: Aluminium Cleaner
Identified Uses: Cleaning agent for commercial and professional use.
Supplied by: Hugh Crane (Cleaning Equipment) Limited
South Walsham Road, Acle
Norwich NR13 3ES
Telephone: 01493 750072 Fax 01493 751854
In emergency contact the National Poisons Information Service
UK: 0121 507 5122 / 0344 892 0111. Republic of Ireland: 01809 2166 or 01809 2566

2. HAZARDS IDENTIFICATION

Signal Word: Danger

Hazard Symbols:



Hazard Statements:
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
See Section 15 for precautionary statements.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous ingredient | EINECS No. | C.A.S. No. | Content | Classification |
|-----------------------|------------|------------|---------|----------------|
| Orthophosphoric Acid | 231-633-2 | 7664-38-2 | 10-25% | H314 |
| Nitric Acid | 231-791-2 | 7697-37-2 | 1-5% | H314 |
| Non-ionic surfactant | Not listed | 68439-45-2 | 1-5% | H302+318 |
| Amphoteric surfactant | N/A | N/A | 1-5% | H315 |

Also contains water.

See Section 16 for details of classification of hazardous ingredients.

4. FIRST AID MEASURES

Inhalation: Move the exposed person to fresh air at once. Keep affected person warm and at rest.
Ingestion: Rinse out mouth with water, ensuring that none is swallowed. Give milk or water to drink. DO NOT INDUCE VOMITING. Obtain medical attention.
Eye contact: Promptly wash the eye thoroughly with plenty of clean water, with eyelids open, for at least 15 minutes. Obtain medical attention.
Skin contact: Remove contaminated clothing. Continue to rinse for at least 15 minutes and seek medical attention.

5. FIRE FIGHTING MEASURES

Product is non flammable. Select extinguishing media appropriate to the circumstances of the fire. Thermal decomposition may release toxic fumes of chlorine gas and/or corrosive fumes of hydrogen chloride. Contact with metals may release hydrogen. Fire fighters should wear self contained breathing apparatus and full body protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Contain spillages with sand or other absorbent media. Neutralise with sodium carbonate (soda ash). Small spillages and residues may be flushed away with plenty of water.

7. HANDLING AND STORAGE

Handling: Prevent any skin or eye contact. Ensure adequate ventilation. No smoking.
Storage: Keep away from alkalis and oxidising agents eg. sodium hypochlorite [bleach].

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| O.E.S. | TWA (8 Hr) | S.T.E.L. (15 mins) |
|-----------------|---------------------|----------------------|
| Phosphoric Acid | 1 mg/m ³ | 3 mg/m ³ |
| Nitric Acid | 5 mg/m ³ | 10 mg/m ³ |

RECOMMENDED SAFETY EQUIPMENT

Eye protection: Safety goggles or face shield



Hand protection: Impervious neoprene or PVC gloves.
Skin protection: Appropriate clothing to prevent contact.
Respiratory protection: Approved RPE may be required if vapour levels exceed exposure limit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear coloured liquid.
Odour: Slight, characteristic.
pH value: Approx 1.0
Flash point: Not applicable.
Relative density: Approx. 1.100 @ 20°C (Water = 1.000)
Water solubility: Miscible

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions storage and use.
Hazardous reactions: Reactions with metals may liberate hydrogen gas and possibly nitrogen oxides. May react with organic materials and strong alkali bases. Reactions with cyanide, phosphides and fluorides produce flammable and/or toxic gases.

11. TOXICOLOGICAL INFORMATION

Liquid and vapour can cause severe irritation and corrosion to skin, eyes, respiratory and digestive tracts. Aspiration during swallowing or vomiting may cause lung damage.

12. ECOLOGICAL INFORMATION

This product is biodegradable and does not contain any PBT or vPvB substances.
Harmful to aquatic organisms in high concentrations due to effects of low pH.

13. DISPOSAL CONSIDERATIONS

Surplus material should be neutralised with soda ash and disposed of through a licensed waste operator.

14. TRANSPORT INFORMATION

ADR/CDG Class: 8, CORROSIVE
Transport label:



Shipping name: CORROSIVE LIQUIDS, N.O.S. (Contains phosphoric acid and nitric acid mixture)
U.N. No: 1760.
Packing Group: III

15. REGULATORY INFORMATION

Labelling according to EU requirements:

Hazard symbol:



Hazard statements:
H314 Causes severe skin burns and eye damage.
H3335 May cause respiratory irritation.

Precautionary statements:
P280 Wear protective gloves/protective clothing/eye & face protection.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 Immediately call a doctor or physician.

16. OTHER INFORMATION

The contents of hazardous ingredients listed in section 3 are expressed as a percentage range of active matter calculated on a weight/volume basis unless otherwise specified.

The ingredients used in this product, where applicable, are registered under the REACH system with the European Chemicals Agency (ECHA).

Hazard Statements:
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes eye irritation.



HUGH CRANE

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SDS Review Date 04/11/2020

Print Date:18/11/2020

SDS Revision Date:

8th May 2019.

Reviewed:

4th November 2020.

Legal disclaimer:

The foregoing information is based on the state of our knowledge and experience of the product and the various ingredients used in the preparation. It is given in good faith but no warranty is implied. Buyers must satisfy themselves as to the suitability of the product and take responsibility for making their own assessments.

End of Safety Data Sheet