


Henkel
Henkel Australia Pty. Ltd.

A.C.N. 001 302 996

A.B.N. 62 001 302 996

SURFACE TECHNOLOGIES DIVISION

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24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

PROPRIETARY PRODUCT SAFETY DATA SHEET

IDENTIFICATION

PROPRIETARY PRODUCT: ALUMIPREP 33
STATEMENT OF HAZARDOUS NATURE:

HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA. THIS MATERIAL HAS BEEN CLASSIFIED AS HARMFUL (Xn) AND CORROSIVE (C).

R20/21/22 - HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

R34 - CAUSES BURNS.

R41 - RISK OF SERIOUS DAMAGE TO EYES.

S24/25 - AVOID CONTACT WITH SKIN AND EYES.

S26 - IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND CONTACT A DOCTOR OR POISONS INFORMATION CENTRE.

S28 - AFTER CONTACT WITH SKIN, WASH IMMEDIATELY UNDER RUNNING WATER FOR 15 MINUTES, THEN APPLY CALCIUM GLUCONATE GEL. SEEK IMMEDIATE MEDICAL ADVICE.

S37/39 - WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.

S46 - IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHENEVER POSSIBLE.)

DANGEROUS GOODS INFORMATION:

DESCRIPTION: CORROSIVE LIQUID, TOXIC, N.O.S. (CONTAINS 22% w/w PHOSPHORIC ACID AND 2% w/w POTASSIUM FLUORIDE).

U.N.NO.: 2922

CLASS: 8

SUBSIDIARY RISK: 6.1

PACKING GROUP: III

POISONS SCHEDULE: 6

EMERGENCY PROCEDURE GUIDE: 8C2

HAZCHEM CODE: 2X

USE: PHOSPHORIC ACID BASED CLEANER FOR ALUMINIUM
PHYSICAL DATA:

APPEARANCE: DARK BROWN LIQUID

BOILING POINT: GREATER THAN 100°C

SOLUBILITY: COMPLETELY MISCIBLE WITH WATER

pH, CONCENTRATE: 2

SPECIFIC GRAVITY: 1.13 - 1.15 @ 20°C

INGREDIENTS:

CHEMICAL ENTITY	CAS. NO.	PROPORTION
PHOSPHORIC ACID	[7664-38-2]	22% w/w
POTASSIUM FLUORIDE	[7789-23-3]	2% w/w
2-BUTOXY ETHANOL	[111-76-2]	14% w/w
SURFACTANTS		LOW, LESS THAN 10%
SEQUESTRANTS		LOW, LESS THAN 10%
WATER		TO 100%

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HEALTH HAZARD INFORMATION

HEALTH EFFECTS:**ACUTE:**

- INGESTION** - HARMFUL IF SWALLOWED. THIS MATERIAL WILL CAUSE SERIOUS BURNS TO THE MOUTH, OESOPHAGUS AND GASTROINTESTINAL TRACT.
- SKIN** - CONTACT WITH SKIN MAY RESULT IN PAINFUL BURNS WHICH MAY NOT BECOME EVIDENT UNTIL SOME TIME AFTER EXPOSURE.
- EYES** - LIQUID CONTACT WITH THE EYES CAN CAUSE BURNS WHICH MAY RESULT IN SERIOUS EYE DAMAGE OR EVEN BLINDNESS.
- INHALATION** - INHALATION OF VAPOUR OR MIST MAY CAUSE ULCERS OF THE UPPER RESPIRATORY TRACT.
- CHRONIC** - SKIN BURNS ARE SLOW TO HEAL AFTER PENETRATION OF THE EPIDERMIS. AS WITH ANY INDUSTRIAL CHEMICAL, INGESTION, INHALATION OF VAPOUR, PROLONGED OR REPEATED SKIN CONTACT SHOULD BE AVOIDED BY GOOD STANDARDS OF INDUSTRIAL HYGIENE.

FIRST AID:

- INGESTION** - IF SWALLOWED, RINSE MOUTH WITH WATER. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION OR CONTACT A POISONS INFORMATION CENTRE (PHONE 13 11 26).
- SKIN** - IF SKIN CONTACT OCCURS, IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING, INCLUDING SHOES. WASH SKIN UNDER RUNNING WATER FOR ABOUT 15 MINUTES, THEN APPLY CALCIUM GLUCONATE GEL INTO AFFECTED AREAS. IF GEL IS NOT AVAILABLE, CONTINUE WASHING WITH WATER. SEEK IMMEDIATE MEDICAL ATTENTION.
- EYES** - IMMEDIATELY HOLD EYES OPEN AND WASH CONTINUOUSLY WITH WATER FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION.
- INHALATION** - REMOVE FROM EXPOSURE - AVOID BECOMING A CASUALTY. FOR ALL BUT THE MOST MINOR SYMPTOMS, ARRANGE FOR PATIENT TO BE SEEN BY A DOCTOR AS SOON AS POSSIBLE, EITHER ON SITE OR AT THE NEAREST HOSPITAL.

ADVICE TO DOCTOR:

TREAT SYMPTOMATICALLY, AS FOR CORROSIVE FLUORIDE COMPOUNDS, NOTING THAT BURNS MAY NOT BECOME APPARENT UNTIL SEVERAL HOURS AFTER EXPOSURE.

TOXICITY INFORMATION:

INHL (HUMAN) LCL₅₀ : 50 ppm / 30M AS HYDROFLUORIC ACID
 ACUTE ORAL (RAT) LD₅₀ : 2140 mg/kg AS SULPHURIC ACID

PRECAUTIONS FOR USE

THRESHOLD LIMIT VALUE: 1 mg/m³ AS PHOSPHORIC ACID.
 2.5 mg/m³ AS PHOSPHORIC ACID.

VENTILATION: A LOCAL MECHANICAL EXHAUST SYSTEM IS REQUIRED WHERE VAPOUR OR MIST IS BEING GENERATED.

PERSONAL PROTECTION: USE GOOD INDUSTRIAL HYGIENE. AVOID ALL CONTACT, WEAR FULL PROTECTIVE CLOTHING, RUBBER BOOTS, IMPERVIOUS GLOVES AND CHEMICAL SPLASH GOGGLES OR FULL FACE SHIELD. USE WITH ADEQUATE VENTILATION. IF INHALATION RISK EXISTS, WEAR RESPIRATOR OR AIR-WASH HOOD.

FLAMMABILITY: NON FLAMMABLE.

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The Henkel logo is a circle containing the word "Henkel".

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT:

TRANSPORT: THIS MATERIAL IS A CLASS 8 CORROSIVE, SUBSIDIARY RISK 6.1 TOXIC SUBSTANCE. OBSERVE THE REQUIREMENTS OF THE AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.

STORAGE: STORE INDOORS IN A DRY, WELL VENTILATED AREA. KEEP CONTAINERS SEALED WHEN NOT IN USE. PROTECT FROM PHYSICAL DAMAGE. STORE ACCORDING TO RELEVANT STATE DANGEROUS GOODS STORAGE REQUIREMENTS.

PACKAGING: PACKAGING GROUP III.
20 LT POLYETHYLENE DRUM (169315).

INCOMPATIBILITY: AVOID CONTACT WITH METALS - HYDROGEN GAS MAY BE EVOLVED WHICH IS A FLAMMABLE GAS. AVOID CONTACT WITH STRONG ALKALIES.

HANDLING: OBSERVE RECOMMENDATIONS MADE UNDER PRECAUTIONS FOR USE. ALWAYS HANDLE WITH PROTECTIVE PVC GLOVES AND CHEMICAL SPLASH GOGGLES.

FIRST AID FACILITIES: EYE WASH AND SAFETY SHOWER.
CALCIUM GLUCONATE GEL.

SPILLS AND DISPOSAL:

SPILLS : WEAR PROTECTIVE PVC GLOVES, CHEMICAL GOGGLES AND WATERPROOF BOOTS. CONTAIN AND COLLECT SPILLAGE WITH ABSORBENT MATERIALS (E.G. SAND, EARTH, VERMICULITE). TRANSFER TO SEALED CONTAINERS SUITABLE FOR STORING SPILLED MATERIAL. CLEAN AND FLUSH AREAS IN CONTACT WITH SPILLED MATERIAL WITH ADEQUATE WATER TO RENDER THE AREA SAFE FOR HUMAN CONTACT.
WASH DOWN WATERS MAY STILL CONTAIN RESIDUES WHICH REQUIRE TREATMENT THROUGH LOCAL EFFLUENT TREATMENT PLANT.
DO NOT ALLOW TO DRAIN OR WATERCOURSE.
DISPOSE OF SOLID RESIDUES IN CHEMICAL WASTE DISPOSAL AREA IN ACCORDANCE WITH RELEVANT STATE AND FEDERAL REQUIREMENTS.

DISPOSAL: REFER TO STATE LAND WASTE MANAGEMENT AUTHORITY. EMPTY CONTAINERS MUST BE DECONTAMINATED. USE SOLUTIONS OF SODA ASH OR LIME UNDER CONTROLLED CONDITIONS. NORMALLY NEUTRALISATION IS REQUIRED FOR LANDFILL DISPOSAL. THE PARTICULAR CIRCUMSTANCES SHOULD BE DISCUSSED WITH THE RELEVANT AUTHORITY.

CONTAINERS: CONTAINERS SHOULD BE DRAINED AND TRIPLE RINSED WITH FRESH WATER PRIOR TO RETURN TO SUPPLIER OR DISPOSAL TO DRUM RECONDITIONER OR APPROVED LANDFILL SITE.

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FIRE/EXPLOSION HAZARD:**SPECIAL PROTECTION PROCEDURES:**

NON COMBUSTIBLE. IF PRODUCT INVOLVED IN FIRE, THEN FIREFIGHTERS MUST BE WARNED OF CORROSIVE NATURE OF MATERIAL. WEAR CHEMICAL SPLASH SUIT AND SELF CONTAINED BREATHING APPARATUS. KEEP CONTAINERS COOL TO MINIMIZE FURTHER RUPTURE. IF EXPOSED TO FIRE AND THERE IS SPILLAGE, TREAT SPILLAGE WITH SODA ASH OR LIME FIRST.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

IN CONTACT WITH METALS, MAY GENERATE HYDROGEN. A FLAMMABLE GAS. UNDER FIRE CONDITIONS, CAPABLE OF GENERATING HIGHLY TOXIC AND CORROSIVE FUMES OF HYDROGEN FLUORIDE AND PO₂.

EXTINGUISHING MEDIA:

WATER FOG.

NOTICE:

THIS MATERIAL SAFETY DATA SHEET MUST BE MADE AVAILABLE TO ALL PERSONS WHO, BY THE NATURE OF THEIR EMPLOYMENT, MAY HANDLE OR COME INTO CONTACT WITH THIS MATERIAL.

DISCLAIMER:

THE PERCENTAGE WEIGHT (% w/w) OF INGREDIENTS IS NOT TO BE TAKEN AS A SPECIFICATION GUARANTEED BY HENKEL AUSTRALIA PTY. LIMITED, BUT ONLY AS AN APPROXIMATE GUIDE TO THE CONTENT OF HAZARDOUS INGREDIENTS IN THE MATERIAL. THE INFORMATION CONTAINED HEREIN DOES NOT CONSTITUTE A GUARANTEE BY HENKEL AUSTRALIA PTY. LIMITED CONCERNING THE PROPERTIES OF THE MATERIAL.

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