



U.F. Chemicals (Australia) Pty Ltd

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MATERIAL SAFETY DATA SHEET

PRODUCT: **EXCEL STRIP PLUS**

Date of Issue: July 2010

1. IDENTIFICATION OF CHEMICAL PRODUCT AND SUPPLIER

PRODUCT IDENTIFICATION:

Product Names:

EXCELSTRIP PLUS

Other Names: Nil

Recommended Use: Floor polish stripper

Formula:

Chemical family Alkali hydroxide

Supplier: UF Chemicals (Aust) Pty Ltd

Address: 8 Albert St., Corrimal, NSW 2518

Telephone Number: (02) 4284 9906

Emergency Telephone: (02) 4284 9906 or Poisons Information Centre 131126

ABN: 94 001 113 4

Supplier's Product Code: SP005B-8064

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. DANGEROUS GOODS

Classified as hazardous according to the criteria of NOHSC.

Hazard Category: Harmful

Risk phrases: R20/21/22 harmful by inhalation, in contact with skin and if swallowed. R 36/38 Irritating to eyes, skin.
R37 Irritating to respiratory system.

Safety phrases: S2 Keep out of reach of children. S24/25 Avoid contact with skin and eyes.

S37/39 Wear suitable protective clothing and gloves.

S46 If swallowed, seek medical attention immediately and show this container or label.

SUSDP Classification: Schedule 6

ADG Classification: Class 8 Corrosive

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Nil

Appearance: Clear sl. yellow liquid.

Ingredients:

Chemical Name, CAS No	Proportion	Risk Phrases
Potassium hydroxide 1310-58-3	<10 %	R36/38
Monoethanolamine	10-<30%	
Surfactant	<10%	
2-Butoxyethanol 111-76-2	10-<30%	Xn -R20 /21/22 - 36/38
Non hazardous additives	<10%	
Water	to make total of 100%	

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

4. FIRST AID MEASURES

Poison Information Centres in each state can provide additional assistance for scheduled poisons. Phone 131126 from anywhere in Australia

Ingestion: Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Do not induce vomiting. If victim can swallow, have him/her drink 250 to 300 mL of water to dilute material in stomach. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. Obtain medical attention immediately.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes, by the clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation persists, repeat flushing. Obtain medical attention immediately.

Skin Contact: Flush contaminated area with lukewarm, gently running water for at least 30 minutes. Under running water, remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). If irritation persists, repeat flushing. Obtain medical attention immediately. Completely decontaminate clothing, shoes and leather goods before re-use or discard.

Inhalation: Remove source of contamination or move victim to fresh air. If not breathing apply artificial respiration. If breathing is difficult give oxygen. Obtain medical advice immediately.

Other First Aid: Provide general supportive measures (comfort, warmth, rest). Consult a physician and/or the nearest Poison Information Centre for all exposures except minor instances of inhalation contact.

Notes to physician: Treat symptomatically as for strong alkalis.

5. FIRE FIGHTING MEASURES

Specific hazards: Non-combustible material

Fire fighting further advice: Not combustible. Can react with some metals generating flammable hydrogen gas. Contact with some organic chemicals can produce violent or explosive conditions.

Suitable Extinguishing media:

Water fog (or if unavailable fine water mist or spray), foam, dry agent (carbon dioxide, dry chemical powder)

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Wear personal protective equipment. Contain using sand or diatomaceous earth. Collect and seal in properly labelled drums. Wash remaining area with large volumes of water.

Large Spills:

PRECAUTIONS Restrict access to area. Clear area of unprotected personnel. Provide adequate protective equipment and ventilation. Remove chemicals which can react with the spilled material. Spills are slippery.

CLEANUP Contain spill or leak. Do not allow entry into sewers or waterways.

Spilled solutions should be contained by dyking with inert material, such as sand or earth. Solutions can be recovered or carefully diluted with water and cautiously neutralised with acids such as acetic acid or hydrochloric acid. Flush area with water.

DISPOSAL Federal, state and local regulations should be reviewed prior to disposal.

7. HANDLING AND STORAGE

HANDLING Avoid generating mist or spray. When diluting solution, add material to water slowly in small amounts. Label containers. Keep containers closed when not in use. Use smallest possible amounts in designated areas with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

STORAGE CONDITIONS Store in cool, dry well-ventilated area. Materials that react with potassium hydroxide should not be stored in the same area. Store in suitably labelled containers. Keep containers tightly closed when not in use and when empty. Protect from damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:(Potassium hydroxide) TWA: 2 mg/m³, peak, NOHSC Australia. 2-Butoxyethanol TWA 20ppm (96mg/m³) STEL 50ppm (242mg/m³)

Engineering Controls: Maintain concentration below recommended exposure limit. Engineering control methods to reduce hazardous exposures are preferred.

Exhaust vapours directly to the outside. Use local exhaust ventilation, and process enclosure if necessary, to control airborne spray / mists. Supply sufficient air to make up for air removed by exhaust systems.

Personal Protection: Avoid contact with skin and eyes and inhalation of mist or vapour. Wear protective clothing, chemical safety goggles and chemical resistant gloves. Wear an NIOSH approved respirator if necessary. Always wash hands before smoking, eating, drinking or using the toilet.

PERSONAL PROTECTION COMMENTS Remove contaminated clothing promptly. Keep contaminated clothing in closed containers. Discard or launder before re-wearing. Inform laundry personnel of contaminant's hazards. Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material.

Maintain good housekeeping.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Clear liquid. Odour: Slight odour of amine/glycol ether Specific Gravity: approx 1.03 Flash Point: Non-combustible (does not burn) Flammability limits Non-flammable pH: approx.13 (1% soln); undiluted 14 Solubility in water: Completely soluble

10. STABILITY AND REACTIVITY

INCOMPATIBILITY -MATERIALS TO AVOID: STRONG ACIDS -may react violently.

METALS -reaction may produce flammable and explosive hydrogen gas

ORGANOHALOGEN COMPOUNDS -may react to form spontaneously combustible compounds.

NITRO AND CHLORO ORGANIC COMPOUNDS -may react explosively.

HAZARDOUS DECOMPOSITION PRODUCTS None POLYMERIZATION Does not occur

CORROSIVITY TO METALS Corrosive to aluminium, tin, zinc. Corrosive to steel at elevated temperatures. Fire/Explosion Hazard: EXPLOSION DATA –

SENSITIVITY TO MECHANICAL IMPACT Not applicable

EXPLOSION DATA -SENSITIVITY TO STATIC CHARGE Not applicable

FIRE HAZARD COMMENTS Potassium hydroxide and its solutions will not burn or support combustion. However, reaction of potassium hydroxide with a number of commonly encountered materials (see Reactivity) can generate sufficient heat to ignite nearby combustible materials.

FIRE EXTINGUISHING AGENTS Use an extinguisher appropriate to the material which is burning

11. TOXICOLOGICAL INFORMATION

COMBUSTION PRODUCTS None Fire fighters to wear full body protective clothing with breathing apparatus

Acute Effects: Ingestion: Harmful. Ingestion may cause burns of mouth, throat and oesophagus; vomiting; diarrhoea; collapse and possible death may result.

Eye contact: Corrosive. Can penetrate deeply causing irritation or burns depending on the concentration and duration of exposure. In severe cases, ulceration and permanent blindness may occur.

Skin contact: Corrosive. Capable of causing burns with deep ulceration. Can penetrate to deeper layers of skin. Corrosion will continue until removed. Severity depends on concentration and duration of exposure. Burns are not immediately painful; onset of pain may be minutes to hours.

Inhalation: Severe irritant. May cause irritation to severe damage of the nose, throat and lungs due to the corrosive nature of potassium hydroxide.

Long term Effects: HEALTH EFFECTS There have been no documented effects due to long-term exposure to potassium hydroxide.

Toxicity Data: Potassium Hydroxide Acute Toxicity:

Oral LD50 (rat): 273 mg/kg Skin Irritation: 50mg/24hr: Severe in humans and rabbit.

Corrosive to any tissue with which it comes into contact. Produces burns, deep ulceration and gelatinous necrotic areas at the site of contact.

Oral LD50 Rat: 470mg/kg Skin LD50 Rabbit 220mg/kg Inhale LC50 Rat 2211 mg/m³

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. Decontaminate empty containers before disposal, by triple rinsing with water, using rinse water in further processing or neutralize rinse water.

14. TRANSPORT INFORMATION

UN No: 1719 Proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. Class: 8 Packing Group: 2 Hazchem Code: 2R EPG 8A1 Segregation Dangerous not to be loaded with Classes 1,4,3, 5.1, 5.2, 6, 7, Class 8 strong acids or foodstuffs or Goods foodstuff empties.

15. REGULATORY INFORMATION

Classified as hazardous according to the criteria of NOHSC; Schedule 6 poison according to SUSDP; Class 8 according to ADG.

R-phrases: R20/21/22 harmful by inhalation, in contact with skin and if swallowed.

R 36/38 Irritating to eyes and skin. R37 Irritating to respiratory system.

S-phrases: S2 Keep out of reach of children. S24/25 Avoid contact with skin and eyes. S37/39 Wear suitable protective clothing and gloves. S46 If swallowed, seek medical attention immediately and show this container or label

16. OTHER INFORMATION

References:

(1) National Code of Practice for the Preparation of MSDS [NOHSC: 2011(2003), (2) List of Designated Hazardous Substances [NOHSC: 10005:1999] (3) ADG Code 6th Edition (4) Manufacturer's MSDS

Contact Point: Manager Tel (02) 4284 9906

DISCLAIMER: All information given in this data sheet and by the company's technical staff is compiled from the best information currently available to the company. The company accepts no responsibility whatsoever for its accuracy or for any results which may be obtained by customers. Any customer who relies upon any advice or information given in this data sheet by the company or by its technical staff does so entirely at its own risk, and the company will not be liable for any loss or damage thereby suffered notwithstanding any want of care on the part of the company or its staff in compiling or giving the advice or information.