

# SAFETY DATA SHEET

**APPLIED PLACE**

Infosafe No.: AD7HJ  
ISSUED Date : 16/04/2017  
ISSUED by: ITW POLYMERS & FLUIDS

## 1. IDENTIFICATION

### GHS Product Identifier

APPLIED PLACE

### Product Code

APLAC

### Company Name

ITW POLYMERS & FLUIDS (ABN 63 004 235 063)

### Address

100 Hassall Street Wetherill Park  
NSW 2164 Australia

### Telephone/Fax Number

Tel: 1800 063 511; +61 2 9757 8800

Fax: 1800 803 596; +61 2 9757 3855

### Emergency phone number

1800 385 556 / 0438 465 960

### E-mail Address

info@itwpcf.com.au

### Recommended use of the chemical and restrictions on use

Alkaline detergent, de-fatter and degreaser.

### Disclaimer

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### Websites:

www.itwpcf.com.au

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### Fluid Chemicals NZ

5A Andrew Baxter Drive, Airport Oaks, Auckland, 2150

Postal Address: P.O. Box 201185 , Auckland Airport, 2150, New Zealand

EMERGENCY TEL: 0800 154 666

## 2. HAZARD IDENTIFICATION

### GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Skin Corrosion/Irritation: Category 1B

### Signal Word (s)

DANGER

### Hazard Statement (s)

Causes severe skin burns and eye damage.

## Pictogram (s)

Corrosion



### Precautionary statement – Prevention

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash contaminated skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary statement – Response

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Call a POISON CENTER or doctor/physician if you feel unwell.

Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Precautionary statement – Storage

Store locked up.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

Name	CAS	Proportion
Sodium hydroxide	1310-73-2	60-100 %
Surfactants and sequestrants determined not to be hazardous	Proprietary	10-30 %
Alkaline salts	Proprietary	10-30 %

## 4. FIRST-AID MEASURES

### Inhalation

In case of overexposure, move exposed person to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Seek medical attention at once.

### Ingestion

If swallowed, DO NOT induce vomiting. Rinse mouth thoroughly with water. Give 1-2 glasses of water to drink. SEEK IMMEDIATE MEDICAL ATTENTION. Have label or Material Safety Data Sheet to show if possible.

### Skin

Remove any source of further contamination (such as contaminated clothing). Flush the affected area with water as soon as possible.

Continue to flush until:

All of the substance is removed AND signs and symptoms have gone away. Do NOT scrub the skin roughly. Seek medical advice.

IF AFTER FLUSHING, THE SKIN LOOKS BURNED: Treat the skin the same as a thermal (heat) burn:

Clean the skin gently with cool water. Apply a cold compress. Do NOT apply ice to hands or feet as this may cut off circulation

If after initial treatment, the skin is very painful or a large area is affected, transport victim to a hospital or medical centre immediately.

### Eye contact

Remove contact lenses before flushing. Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If eye wash station is unavailable, use clean, room temperature water poured from a jug or bottle, or a low-pressure running tap or hose. If you are only flushing one eye, be careful not to get any product in the unaffected eye. SEEK MEDICAL ASSISTANCE. Transport to hospital or medical centre.

### First Aid Facilities

Safety showers, eye wash fountains or running water.

### Advice to Doctor

Treat symptomatically. For ingestion, consider gastric lavage with caution. Contact Poisons Information Centre.

## 5. FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Use water fog or spray, foam, dry chemical or carbon dioxide for surrounding fires as governed by adjacent materials.

### Specific Methods

If safe to do so, remove containers from path of fire. Fire-fighters to wear self-contained breathing apparatus if in risk of exposure to vapours or products of combustion.

### Specific Hazards Arising From The Chemical

When subjected to high heat may decompose to form water, carbon monoxide, carbon dioxide and other unidentified organic compounds. When diluting or preparing solutions, always add product slowly to water. Solutions can react violently and boil and spatter during make-up, as a result of exothermic reaction.

### Hazchem Code

2X

## 6. ACCIDENTAL RELEASE MEASURES

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### Spills & Disposal

Steps to be taken in case material is released or spilled: Observe safety precautions as outlined in 'Personal Protection' section above. Mop up (mop or sponge) or wash small spills to drain with excess water. Large spills should be contained and collected, or absorbed onto inert material (eg sand, earth or vermiculite) and placed in clean, labelled steel or plastic (or plastic lined) container for disposal. Wash area thoroughly with water accompanied by suitable neutralising agents such as dilute mineral acids, and ensure surface is not slippery afterwards.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

When using do not eat or drink.

Ensure the appropriate personal protective equipment is used when handling this material.

Wash thoroughly after handling.

Do not breathe dust.

### Conditions for safe storage, including any incompatibilities

Store tightly closed container in a cool dry place, out of direct sunlight. Store away from strong oxidisers, acids and foodstuffs.

### Storage Regulations

Classified as a Dangerous Good. Container must be labelled until empty and all traces of product removed.

### Additional information on precautions for use

This material is a SCHEDULED (S6) POISON and must be stored, handled and maintained according to the appropriate Commonwealth Regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Sodium hydroxide		TWA	2	mg/m <sup>3</sup>	Peak limitation

### Other Exposure Information

No exposure standards have been established for this material by Worksafe Australia, however for the ingredient Sodium hydroxide refer to the 'Exposure Limits' section above.

### **Appropriate Engineering Controls**

No special measures. Use local exhaust ventilation where appropriate. Avoid generating dust and mists. Limit exposure to all chemical products, and use safe work practices.

### **Respiratory Protection**

No special measures required when used according to directions. Avoid exposure to dust, caustic mists and vapours during use. Wear full-face respirator complying with AS/NZS 1715 and AS/NZS 1716 in the event of large spills or if in risk of exposure to airborne dust, mists or vapours.

### **Eye Protection**

Wear approved safety glasses/goggles or a face shield when handling powder and strong solutions, especially if contact lenses are worn.

### **Hand Protection**

Wear natural rubber or alkali resistant gloves if contact with skin is expected.

### **Body Protection**

Wear full body clothing (eg long sleeved shirt, pants, overalls) and alkali resistant footwear. Remove and launder soiled clothing before re-use.

### **Other Information**

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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### **Appearance**

White, free-flowing granulated powder with little odour.

### **Melting Point**

Not available

### **Solubility in Water**

Approx. 50g/100 ml @ 20°C

### **Specific Gravity**

Not applicable

### **Vapour Pressure**

< 1

### **Flash Point**

Non-flammable

### **Flammability**

Non-flammable, non-combustible. No specific fire hazards associated with product. No specific ventilation, earthing or flameproofing requirements.

### **Flammable Limits - Lower**

Not applicable

### **Flammable Limits - Upper**

Not applicable

### **Other Information**

pH (DILUTION OF) : 12.5-13.0(1:100)

## **10. STABILITY AND REACTIVITY**

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### **Chemical Stability**

Stable under normal conditions of use and storage.

### **Conditions to Avoid**

Avoid dust generation. Avoid exposure to moisture. Avoid contact with foodstuffs.

### **Incompatible materials**

Incompatible with acids, chlorinated hydrocarbons, aluminium, zinc, lead, tin, and their alloys

### **Possibility of hazardous reactions**

Reacts with metals liberating flammable hydrogen gas. May react violently with strong acids and chlorinated hydrocarbons . Can react vigorously with water generating heat and causing spattering.

## **11. TOXICOLOGICAL INFORMATION**

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### **Ingestion**

Solid form and strong solutions can be very corrosive to mouth, oesophagus and stomach. Causes severe burns. Swallowing can also result in nausea, vomiting, diarrhoea and abdominal pain.

### **Inhalation**

Dust and mists/vapours of strong solutions can produce tissue damage or severe irritation to mucous membranes of respiratory tract, characterised by coughing, choking, shortness of breath or sore throat.

### **Skin**

Solid form and strong solutions can be very corrosive to skin. Causes severe burns.

### **Eye**

Solid form and strong solutions can be very corrosive to eyes. Causes burns. Risk of serious damage to eyes, which may result in permanent eye injury or blindness.

### **Chronic Effects**

Repeated or prolonged exposure to this material will result in severe irritation to the skin and respiratory tract.

## **12. ECOLOGICAL INFORMATION**

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### **Ecotoxicity**

Large discharges may contribute to a rapid increase in the pH of the water. This sudden pH change can be fatal to fish and other aquatic species.

### **Persistence and degradability**

Inorganic material.

### **Mobility**

Soluble in water

## **13. DISPOSAL CONSIDERATIONS**

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### **Waste Disposal**

Re-use spilled material if possible. For small quantities, flush down sink or toilet where local regulations allow. Otherwise fully absorb onto solid substrate and place in plastic container prior to disposing through normal commercial refuse system, or at a waste landfill. Consult local council dumps or the manufacturer for proper disposal method in your area in the event of a major spill. Suitable for incineration by approved agent.

## **14. TRANSPORT INFORMATION**

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### **Transport Information**

This material is a Class 8 Corrosive Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Class 8 - Corrosive Substances are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 4.3, Dangerous When Wet Substances
- Class 5.1, Oxidising Agents & Class 5.2 - Organic Peroxides
- Class 6, Toxic Substances (where the Toxic substances are cyanides and the corrosives are acids),
- Class 7, Radioactive Substances

and are incompatible with food and food packaging in any quantity.

### **U.N. Number**

3262

### **UN proper shipping name**

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.(CONTAINS SODIUM HYDROXIDE)

**Transport hazard class(es)**

8

**Packing Group**

III

**Hazchem Code**

2X

**EPG Number**

8A1

**IERG Number**

37

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**15. REGULATORY INFORMATION**

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**Poisons Schedule**

S6

**Australia (AICS)**

All ingredients listed

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**16. OTHER INFORMATION**

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**Date of preparation or last revision of SDS**

Replaces MSDS dated 16 Apr 2012

**References**

Australian Code for the Transport of Dangerous Goods by Road and Rail.

International Maritime Dangerous Goods Code.

International Air Transport Association Dangerous Goods Regulations.

Globally Harmonised System of Classification and Labelling of Chemicals,ST/SG/AC.10/30, United Nations 2003

Supplier Safety Data Sheets

**Contact Person/Point**

This Safety Data Sheet summarises at the date of issue to the best of our knowledge, the health and safety hazards of the product and how to safely handle and use the product.

As ITW Polymers & Fluids cannot anticipate or control the conditions under which the product is used, customers are encouraged, prior to usage, to assess and control the risks associated with their use of the product.

Data sheets from unauthorised sources may contain information that is no longer current or accurate.

This SDS is valid for 5 years from date of issue. However, this version may be revoked and revised at any time, and users should contact ITW Polymers & Fluids to ensure they are in possession of the latest version.

**Revisions Highlighted**

Amended Risk from R34 Causes burns to R35 Causes severe burns.

**END OF SDS**

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