

SAFETY DATA SHEET

APPLIED GEL PHOS

Infosafe No.: 1APPA
ISSUED Date : 28/04/2017
ISSUED by: APPLIED AUSTRALIA PTY LTD -
AN (ITW) ILLINOIS TOOL WORKS COMPANY

1. IDENTIFICATION

GHS Product Identifier

APPLIED GEL PHOS

Product Code

A2634

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

A gel acid cleaner for the removal of carbon, copper and other soils from the roofs of electric carriage sets.

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

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Corrosive to Metals: Category 1

Signal Word (s)

WARNING

Hazard Statement (s)

May be corrosive to metals.

Pictogram (s)

Corrosion



Precautionary statement – Response

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

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

For advice, contact Poisons Information Centre (AUS 131 126; NZ 0800 764 766) or a doctor.

Precautionary statement – Storage

Store in a closed container.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Phosphoric acid	7664-38-2	0-10 %
Water	7732-18-5	BALANCE
Ingredients determined not to be hazardous		0-10 %

4. FIRST-AID MEASURES

Inhalation

Not normal mode of entry. In the event of inhalation of mists or aerosols

remove patient from area - avoid becoming a casualty.

Apply artificial respiration if indicated.

Ingestion

Rinse mouth thoroughly with water immediately.

Give water to drink. DO NOT induce vomiting.

Seek immediate medical assistance.

Skin

Wash affected areas with copious quantities of water.

Remove contaminated clothing and wash before re-use.

Seek medical advice if effects persist.

Eye contact

Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.

In all cases of eye contamination it is a sensible precaution to seek medical advice.

Advice to Doctor

Treat symptomatically as for strong acids.

5. FIRE-FIGHTING MEASURES

Specific Hazards Arising From The Chemical

Non combustible.

In case of fire in the surroundings use the appropriate extinguishing method for the area.

Hazchem Code

2R

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Use absorbent (soil or sand, sawdust, inert material, vermiculite).

Isolate leaking containers and stop leak if safe to do so.

Wash away residues with water.

The following protective equipment should be worn:

Impervious overalls or similar protective apparel.

Chemical goggles or face shield and PVC or rubber gloves.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Never add water to this product

When using do not eat, drink or smoke.

Avoid prolonged or repeated contact with skin and clothing.

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

Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep only in original container.

Keep container tightly closed and in a cool, well-ventilated place

Do not use aluminium or galvanized containers.

This product is classified as a Dangerous Good therefore containers must remain labelled until the contents have been completely used and the container has been cleaned or the contents have been neutralised. A decanted substance (if not used immediately) must be labelled with the product name. It is recommended that decanted substances also be labelled with the appropriate risk and safety phrases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Phosphoric acid		TWA	1	mg/m ³	
Phosphoric acid		STEL	3	mg/m ³	

Appropriate Engineering Controls

Use with adequate ventilation.

Avoid generation and inhalation of mists or aerosols.

Personal Protective Equipment

The following personal protective equipment should be worn.

Overalls or similar protective apparel.

Chemical goggles or face shield and PVC or rubber gloves.

Always wash hands before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Clear, colourless mobile, acidic liquid.

Boiling Point

No data

Specific Gravity

1.051 ñ 0.005 at 20°C

Vapour Pressure

<1 mm Hg at 20°C

Flash Point

Non-combustible

Flammability

Non combustible. Non flammable.

Flammable Limits - Lower

Not Required

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions

Attacks many metals forming combustible gas (hydrogen). Reacts with chlorine containing compounds and nitrites to produce toxic gases.

When added to water, an exothermic reaction occurs generating significant amounts of heat. Never add water to acid. Always slowly add acid to water.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

as Phosphoric acid:

Oral: Rat: LD50 1530 mg/kg

Skin: Rabbit: LD50 2740 mg/kg

Ingestion

May cause severe burns to the mouth, throat and stomach.

Symptoms include: burning sensation, nausea and vomiting.

Inhalation

In case of mists or aerosols may be corrosive to mucous membranes and respiratory tract. Symptoms include: burning sensation, coughing, wheezing, laryngitis, nausea and vomiting.

Skin

Repeated or prolonged skin contact may lead to dermatitic effects.

Eye

A severe eye irritant.

May cause conjunctivitis, corneal burns and ulceration.

Chronic Effects

May be damaging to the liver and kidneys.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Avoid contaminating waterways. Large discharges may contribute to acidification of water. This sudden pH change can be fatal to fish and other aquatic species.

Persistence and degradability

Not applicable. Inorganic material.

13. DISPOSAL CONSIDERATIONS

Container Disposal

Decontaminate empty containers before disposal, by triple rinsing with water, using rinse water in further processing or neutralize rinse water.

14. TRANSPORT INFORMATION

U.N. Number

1805

UN proper shipping name

PHOSPHORIC ACID

Transport hazard class(es)

8

Packing Group

III

Hazchem Code

2R

Storage and Transport

Keep containers closed at all times.

Do not use aluminium or galvanized containers.

EPG Number

8A1

IERG Number

37

IMDG UN No

1805

IMDG Hazard Class

8

IMDG Pack. Group

III

IMDG EMS

F-A; S-B

Other Information

Miscible in water. Mildly corrosive to most metals.

Limited Quantities

Road/Rail - 5L

Sea - 5L

Air - 1L

15. REGULATORY INFORMATION

Poisons Schedule

Not Scheduled

Packaging & Labelling

Defined as a 'Dangerous Good' by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

16. OTHER INFORMATION

Date of preparation or last revision of SDS

Replaces MSDS dated 24 Sep 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

LENGA, Robert E. (Ed.) 'Safety', The Sigma-Aldrich Library of Chemical Safety Data, Sigma-Aldrich Corporation, Edition II 1988.

MERCK INDEX - Merck & Company, Rahlway, N.J. 1989

TLV's Threshold Limit Values and Biological Exposure Indices for 1988/89.

American Conference of Governmental Industrial Hygienists, Cincinnati, Ohio.

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.

Signature of Preparer/Data Service

AMS

END OF SDS

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