



SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Product name : PHOS-CHEK® INSUL-8
Product code : AST10196

1.2. Recommended uses and restrictions

Recommended use : Water enhancing gel for fire protection

1.3. Supplier information

PC Australasia Pty Ltd - Trading as Phos-Chek® Australia

46 Hudson Crescent, Lavington, NSW 2641, Australia

T 02 6040 6900

Emergency number : 0417 525 970

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification (GHS-AU)

Skin Irrit. 2 H315

STOT – Single Exposure 3 H336

2.2. Label elements

Hazard pictograms (GHS-AU) :



GHS07

Signal word (GHS-AU) : Warning

Contains : Petroleum distillates, hydrotreated light, Triethanolamine

Hazard statements (GHS-AU) : H315 - Causes skin irritation
H336 – May cause drowsiness or dizziness

Precautionary statements (GHS-AU) : P261 – Avoid breathing mist/vapours/spray
P264 - Wash hands, forearms and face thoroughly after handling
P271 – Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 – Call a poison centre/doctor if you feel unwell.
P332+P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P405 – Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Name	CAS No	%
Petroleum distillates, hydrotreated light	64742-47-8	25 - <50
Triethanolamine	102-71-6	10 - <30
Non-Hazardous Ingredients		>20 - <65

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Immediately remove any clothing soiled by product.

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First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water and acidic soap. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water for 15 minutes under running water as a precaution. Seek medical advice.
First-aid measures after ingestion	: If symptoms persist call a physician or POISON CENTRE (Australia Telephone 13 11 26).

4.2. Symptoms caused by exposure

Symptoms/effects after skin contact : Irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : CO₂, Water spray. Dry powder. Fight larger fires with water spray or alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

In case of fire, Carbon Monoxide (CO) may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Wear protective clothing. Ventilate spillage area. Avoid contact with skin and eyes. Use respiratory protection against the effects of fumes or aerosols.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter sewers, surface or ground water.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb with liquid-binding material (sand diatomite, acid binders, universal binders, sawdust) and mechanically remove product. Flush contaminated areas with plenty of water. Provide ventilation. Send for recovery or disposal in suitable receptacles.

SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Prevent formation of aerosols. Store in a cool, dry place in tightly closed containers.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

Triethanolamine (102-71-6)		
Australia	TWA (mg/m ³)	5 mg/m ³

8.2. Monitoring

No additional information available

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8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Personal protective equipment

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : No data available
Colour : Yellow-brown
Odour : Aromatic
Odour threshold : No data available
pH : 5 - 6
Relative evaporation rate (butylacetate=1) : No data available
Melting point / Freezing point : Melting point : Not applicable
Boiling point : No data available
Flash point : > 177 °F / > 81 °C (COC)
Auto-ignition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative density : No data available
Density : Density : 1.02 kg/L
Relative density : 1
Solubility : Miscible
Partition coefficient n-octanol/water : No data available
Viscosity : Viscosity, dynamic (40 °C / 104 °F) : 950 cP
Viscosity, Kinematic (40 °C / 104 °F) : 961 mm²/s
Explosive properties : No data available
Explosive limits : No data available
Minimum ignition energy : No data available
Fat solubility : No data available

SECTION 10: Stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
Conditions to avoid : None under recommended storage and handling conditions (see section 7).
Incompatible materials : None known.
Hazardous decomposition products : Oxides of carbon.

SECTION 11: Toxicological information

Acute toxicity (oral) : LD₅₀ > 5050 mg/kg (rat)
Acute toxicity (dermal) : LD₅₀ > 2020 mg/kg (rabbit)
Acute toxicity (inhalation) : Not classified.

Petroleum distillates, hydrotreated light (64742-47-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 5.2 mg/l/4h

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Triethanolamine (102-71-6)	
LD50 oral rat	4190 mg/kg
LD50 dermal rabbit	> 20 ml/kg

Skin corrosion/irritation	: Causes moderate skin irritation. pH: 5 - 6
Serious eye damage/irritation	: Causes moderate eye irritation pH: 5 - 6
Respiratory or skin sensitisation	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.

PHOS-CHEK® INSUL-8	
Density	1.02 kg/L
Viscosity, dynamic	< 1000 cP

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: LC ₅₀ (96h)1051 mg/L (Rainbow Trout)
Chronic aquatic toxicity	: Not classified.

Petroleum distillates, hydrotreated light (64742-47-8)	
LC50 fish 1	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
BCF fish 1	61 - 159

Triethanolamine (102-71-6)	
LC50 fish 1	10600 - 13000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	> 1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
BCF fish 1	< 3.9
Partition coefficient n-octanol/water	-2.53

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Petroleum distillates, hydrotreated light (64742-47-8)	
BCF fish 1	See section 12.1 on ecotoxicology

Triethanolamine (102-71-6)	
BCF fish 1	See section 12.1 on ecotoxicology
Partition coefficient n-octanol/water	See section 12.1 on ecotoxicology

12.4. Mobility in soil

Triethanolamine (102-71-6)	
Partition coefficient n-octanol/water	See section 12.1 on ecotoxicology

12.5. Other adverse effects

Ozone	: Not classified.
Other adverse effects	: No additional information available

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Fluorinated greenhouse gases	False
GWPmix comment	No known effects from this product.
Petroleum distillates, hydrotreated light (64742-47-8)	
Fluorinated greenhouse gases	False
Triethanolamine (102-71-6)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. Empty contaminated packagings can be recycled after thorough and proper cleaning. Packagings that cannot be cleansed must be disposed of in the same manner as the product. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. Proper Shipping Name - Addition

Not applicable

14.3. Transport hazard class(es)

ADG

Transport hazard class(es) (ADG) : Not regulated

IMDG

Transport hazard class(es) (IMDG) : Not regulated

IATA

Transport hazard class(es) (IATA) : Not regulated

14.4. Packing group

Packing group (ADG) : Not applicable

14.5. Environmental hazards

Marine pollutant : No

14.6. Special precautions for user

Specific storage requirement : No data available

Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available.

14.8. Hazchem or Emergency Action Code

Hazchem code : Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global Chemical Inventories:

AICS: All components Listed

15.2. International agreements

No additional information available

SECTION 16: Any other relevant information

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Revision date : 16/08/2017

Classification:

Skin Irrit. 2	H315
STOT – Single Exposure 3	H336

SDS Australia

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This safety data sheet (SDS) summarises as of the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since PC Australasia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use then product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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