Safety Data Sheet

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Product : **PB GUNWASH THINNERS**

UN NO. 1993	PACKING GROUP II	HAZCHEM ● 3 Y E

Distributed By :

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1. IDENTIFICATION OF MATERIAL

Product Name: PB Gunwash Thinners
UN Number: 1993
Dangerous Goods Class: **3**
Subsidiary Risk: **None Allocated**
Hazchem Code: **● 3 Y E**
Packaging Group: **II**

Uses: PB Gunwash Thinners is a mixture of flammable solvents. It is used in the Panel Beating, Spray painting, or applied coatings industries. It is recommended for the cleaning of spray painting equipment and other equipment which comes in contact with paint.

2. HAZARDS IDENTIFICATION

This product is classified as **Hazardous** according to the criteria of NOHSC Australia. It is also classified as **Dangerous Goods (Class 3)** by the criteria of the Australian Dangerous Goods Code **(ADG CODE)** for transport by Road and Rail, Dangerous Goods.

i.e. 'HAZARDOUS SUBSTANCE – DANGEROUS GOODS'

2.1. GHS Classification.

Flammable liquids, Category 2 (H225)
Skin corrosion / irritation, Category 2 (H315)
Serious eye damage / irritation, Category 2A (H319)
Reproductive toxicity, Category 2 (H361)
Specific target organ toxicity – single exposure, Category 2 (H373)
Specific target organ toxicity – repeated exposure, Category 2 (H373)

Signal Word: DANGER

2.2. GHS Hazard Statement

PHYSICAL HAZARDS

H225: Highly flammable liquid and vapour.

HEALTH HAZARDS

H305: May be harmful if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H334: May cause allergy, or asthma symptoms or breathing difficulties, if inhaled.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer.
H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.

ENVIRONMENTAL HAZRADS

H401: Toxic to aquatic life.

2.3. GHS Precautionary Statements.

PREVENTION

P210: Keep away from heat / sparks / open flames / hot surfaces: - No smoking.
P233: Keep containers tightly closed.
P240: Ground / bond container and receiving equipment.
P241: Use explosion-proof electrical / ventilating / lighting etc. equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.

P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well ventilated area.
P273: Avoid release into the environment.
P280: Wear protective gloves / eye protection / face protection.
P281: Use personal protective equipment (PPE) as required.

RESPONSE

P303+P361+P353: If **on skin (or hair)**: Remove / take off immediately all contaminated clothing. Rinse affected areas with water / shower.
P302+P352: Wash affected areas with plenty of soap and water.
P332+P313: If skin irritation occurs: Seek medical advice.
P305+P351+P338: If **in eyes**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313: Get medical advice / attention.
P370+P378: In **case of fire**: Use appropriate extinguisher for this type of liquid.
P309+P311: If **exposed** or if you fell unwell; call Poisons Information Centre (131126) or a medical practitioner.
P304+P340: If **inhaled**: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312: Call Poisons Information Centre (131126) or a medical practitioner, if you fell unwell.
P301+P310: If **swallowed**: Immediately call Poisons Information Centre (131126) or a medical practitioner.
P331: DO NOT induce vomiting.

STORAGE

P403+P235: Store in a well ventilated place. Keep cool.
P233: Keep containers tightly closed.

DISPOSAL

P501: Dispose of contents and containers to the appropriate licenced waste facility in accordance with local, state and federal regulations. Please note: This product can be recycled at the appropriate facility.

2.4. Hazards not otherwise classified.

Others hazards not contributing to the classification:
Product can accumulate electrostatic charges that may cause fire by electrical discharges.
Product vapour is heavier than air.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Solvents	CAS NO.	UN NO.	Proportion %	Risk Phrases
Toluene: Methyl Benzene	108-88-3	UN 1294	30 - 40	H225, H305, H315, H336, H361, H373, H401
Xylene (all isomers): Dimethyl Benzene	1330-20-7	UN 1307	15 - 30	H225, H305, H315, H319, H335, H336, H351, H361, H373, H401
Acetone: 2 – Propane	67-64-1	UN 1090	5 - 15	H225, H319, H336
Methyl Ethyl Ketone: 2 Butanone	78-93-3	UN 1193	5 - 15	H225, H319, H336, H373
Aliphatic Solvents	N/A	N/A	5 - 10	H225, H319, H336, H373
Aromatic Solvents	N/A	N/A	5 – 10	H225, H305, H335, H336, H351, H361, H373, H401

4. FIRST AID MEASURES

Ingestion:
Wash mouth with water. If swallowed, **Do Not Induce Vomiting.** Give plenty of water and seek medical advice immediately.
Poisons Information Centre, Westmead, Phone: 13 11 26

Eye Contact:
If eye contact occurs, immediately flush eye with cold water for at least 10 – 15 minutes. With all cases of eye contact seek medical advice.

Skin Contact:
If skin contact occurs, wash immediately with running water. Remove contaminated clothing and wash all affected parts of the body. If swelling, blistering, or redness occurs seek medical advice.

Inhalation:
Remove victim from exposure area immediately if safe to do so. Do not become another victim. Remove all contaminated clothing & loosen remaining clothing. Allow patient to find most comfortable position. Keep at rest till full recovery. If patient finds it difficult in breathing or develops bluish skin discolouration (possible lack of oxygen) have a qualified person administer oxygen. Seek medical advice urgently. If breathing stops apply CPR.

First Aid Facilities:
Ensure that the eye wash bath and safety shower are ready available / accessible in working place. Ensure they are in good working order.
Advise medical practitioners to treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazards from Combustion:	Flammable liquid. On burning will emit toxic fumes including oxides of carbon (carbon monoxide & carbon dioxide).
Fire Fighters Information:	As burning will emit toxic fumes, self-contained breathing apparatus and suitable protective clothing is advisable. If safe, remove containers from fire path and keep cool with water spray.
Extinguishers:	Foam, Dry Chemical, Carbon Dioxide.
Hazchem Code:	● 3 Y E

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Isolate leaking containers as quickly as possible, and if safe, stop leak.
Eliminate all ignition sources.
Heating of containers may cause expansion and possible rupture. Cool with fine water spray, and move containers away from heat source.
Provide adequate ventilation.
Persons involved in cleanup require adequate respiratory, skin, and eye protection.
In case of spillage, prevent liquid from entering drains or water causes.

Method and Materials for Containment and Clean-Up:

Use absorbent inert material to clean up spillage.
Collect and seal in containers and dispose of in accordance with State regulations for disposal of hazardous substances.
Use non-sparking tools / equipment / fittings.
Used clean material can be recycled.

7. HANDLING AND STORAGE

Precautions for safe handling:

The product should be stored in accordance with good industry practice and in compliance with government regulations.
Must be stored in cool well ventilated, bunded, low fire risk area away from any ignition or heat sources. Additionally, avoid static charge build up.
Keep containers tightly closed when not in use.
Protect containers from being damaged.
Chemically stable at normal temperature and pressure.
Do not store with oxidizing agents (Class 5.1) or inorganic acids (Sulphuric Acid).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Exposure Standards

Various components have exposure standards. Source material is from the National Occupational Health and Safety Commission website. http://www.nohsc.gov.au/applications/hsis/

Toluene: TWA = 50 ppm (191 mg/m³), STEL = 150 ppm (565 mg/m³), absorption through skin possible.

Xylene Isomers: TWA = 80 ppm (350 mg/m³), STEL = 150 ppm (655 mg/m³), absorption through skin possible.

Acetone: TWA = 500 ppm (1,185 mg/m³), STEL = 1000 ppm (2,375 mg/m³)

Aliphatic Solvent eg Cyclohexane (CAS No. 110-82-7): TWA = 100 ppm (350 mg/m³), STEL = 300 ppm (1050 mg/m³).

Aromatic Solvent eg Ethyl Benzene (CAS No. 100-41-4): TWA = 100 ppm (434 mg/m³), STEL = 125 ppm (543 mg/m³).

Exposure Standard – time weight average (TWA): The time weight average airborne concentration of a particular substance when calculated over a normal eight hour day, for a five day working week.

Exposure Standard – short term exposure limit (STEL): A 15 minute TWA exposure which should not exceed at any time during a working day even if the eight hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more that four times per day. There should be at least 60 minutes between successive exposures at the STEL.

Other Definitions: **ppm** = Parts per million. **mg/m³** = milligrams per cubic metre.

8.2. Engineering Controls

Ensure ventilation is adequate and away from any ignition source. DO NOT SMOKE. Control concentrations below NOHSC exposure standards. Beware of vapour collected in dips etc (Vapour heavier than air). Ensure all containers are sealed when not in use. Electrical services should be all flame proofed. Ensure tools are non-sparking.

8.3. PPE
When using, ensure that a risk assessment is undertaken. Minimum PPE (AS 1940) suggested is overalls, impervious gloves, safety glasses and boots, and vapour respirator (3M half or full face respirator with filter for organic vapours) comply with AS 1716 if ventilation is inadequate. Ensure correct hygiene before eating, drinking, smoking etc.

8.4. Flammability
This product is highly flammable, keep from heat and ignition sources.

9. PHYICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless liquid with an aromatic odour.
Boiling Point:	~ 108 ºC (variable)
Specific Gravity:	~ 0.857 (variable)
pH:	NA
Vapour Pressure:	< 30 mm Hg (variable)
Flash Point:	~ < 23 – 27 ºC (variable)
Solubility in water:	Negligible.

10. STABILITY AND REACTIVITY

Chemically stable at normal temperatures and pressure.
With use it may form highly flammable air / vapour mixtures.
Incompatible with oxidizing agents (Class 5.1), inorganic acids (sulphuric acid), heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

No adverse health effects can be expected if the product is handled in accordance with this MSDS. The following are symptoms or effects that may occur if the product is wrongly handled and overexposure occurs.

Ingestion
Ingestion can result in vomiting, nausea, and central nervous system depression.
Eye Contact
Eye contact may cause eye irritation.
Skin Contact
Skin contact may result in irritation. Prolonged skin contact could lead to dermatitis. Some components of this product can be absorbed through the skin causing toxic effects.
Inhalation
This product can be an irritant to the mucous membranes of the respiratory tract. The inhalation of this product may result in headaches, dizziness, drowsiness, and nausea. In high concentrations, this product may result in central nervous system depression with the following symptoms; loss of coordination, impaired judgment, and possible unconsciousness.

Long Term Effects
For Toluene, (one of the components) there is evidence that repeated long term exposure can lead to central nervous system disorders.

12. ECOLOGICAL INFORMATION

Aquatic, air and soil environmental hazard;
Do not allow waste to enter storm waters, streams or rivers.

13. DISPOSAL CONSIDERATIONS

Collect and seal in solvent resistant containers and dispose of in accordance with State & Territory regulations for the disposal of hazardous substances. Used clean material can be recycled.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods for Transport

UN Number:	1993
Class:	Class 3 Flammable Liquids
Packaging Group:	II
Proper Shipping Name:	PB Gunwash Thinners
Hazchem Code:	● 3 Y E

15. REGULATORY INFORMATION

Poisons Information: S6 Poison.

All components of this product are listed on the Australian Inventory of Chemical Substances, AICS website:
www.nicas.gov.au/obligations/aics/

16. OTHER INFORMATION

Poisons Information Centre: Westmead, NSW

Telephone: 13 11 26

This SDS summarizes to the best of our knowledge at the date of issue, the chemical, health and safety hazards of the product, and safe handling of it on the workplace. Since Oceanic Enviro Pty Ltd cannot predict or control the user conditions, the user, must prior to use, assess and control the risks associated with its use. For more information, please contact Oceanic Enviro Pty Ltd using the supplier contact details.