

# Safety Data Sheet

Product Name: Gunwash



## SECTION 1 – IDENTIFICATION

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**Product Name:** Gunwash

**Other Names:** Recycled cleaning solvent

**Recommended Use:** Cleaning of spray paint guns

**Supplier name:** Pacific Disposals Limited

**Address:** Level 5  
110 Symonds Street  
Auckland

**Telephone Number:** Phone (09) 276 4418

**Emergency Number:** (24-hour assistance): Phone 0508 2436 3273

**CAS Number:** Unassigned

## SECTION 2 – HAZARDS IDENTIFICATION

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### Statement of Hazardous Nature:

Classified as hazardous according to criteria in the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Classified under the group standard "Solvents (Flammable) Group Standard 2020".

**HSNO Approval Number: HSR002650**

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<b>Hazard Classification:</b>	<b>HSNO Classification</b>	<b>GHS Equivalent Classification</b>
	3.1B	Flammable liquids Category 2
	6.1D	Acute inhalation toxicity Category 4
	6.3A	Skin irritation Category 2
	6.4A	Eye irritation Category 2
	6.8A	Reproductive toxicity Category 1
	6.9B	Specific target organ toxicity – Repeated exposure Category 2
	9.1D	Hazardous to the aquatic environment chronic Category 4
	9.3C	Hazardous to terrestrial vertebrates



## Hazard and Precautionary Statements:

### Danger:

Highly flammable liquid and vapour  
May damage fertility or the unborn child  
Wear protective gloves/ protective clothing/ boots/ eye and face protection

### Warning:

Read label before use  
Read safety data sheet before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Keep away from all sources of ignition  
Harmful if swallowed  
Harmful if inhaled  
Causes skin irritation  
Causes serious eye irritation  
May cause damage to internal organs  
May cause long lasting effects to aquatic life  
Harmful to terrestrial invertebrates  
If medical advice is needed, have product container or label at hand  
Keep out of the reach of children

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## SECTION 3 - COMPOSITION

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Ingredient	CAS #	Concentration
Methyl Ethyl Ketone	78-93-3	0-25%
Toluene	108-88-3	5-60%
Xylene	1330-20-7	5-60%
Ethanol	64-17-5	0-20%
Ketones		0-20%
Alcohols		0-20%
Esters		0-20%
Glycol ethers		0-20%
Higher Hydrocarbons		0-20%

Note: Composition is dependent upon product origin.

Balance is made of other substances determined not to be hazardous

## SECTION 4 - FIRST AID MEASURES

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### Workplace Facilities Required:

Eye wash and safety shower facilities are recommended.

### If inhaled:

Remove to fresh air and keep patient at rest in a position comfortable for breathing. Apply artificial respiration if not breathing and urgently seek medical advice.

### If contact with eye:

Hold eyes open, flood with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, seek medical advice.

### If contact with skin:

Immediately flush skin with plenty of soap and water for at least 15 minutes, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Call a doctor immediately.

### If swallowed:

DO NOT INDUCE VOMITING. Rinse mouth. Give large quantities of water. Never give anything by mouth to an unconscious person. Seek immediate medical advice. If vomiting occurs, keep head below hips to prevent aspiration into lungs.

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## Personal Protective equipment:

The first aid responder is required to wear gloves and eye / face protection.

## Advice to Doctor:

Gunwash is a mixture of hydrocarbon solvents.

## SECTION 5 – FIRE FIGHTING MEASURES

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**Hazchem Code:** 3YE

**Type of Hazard:** Flammable liquid

### Suitable extinguishing media:

Use foam, dry chemical, or carbon dioxide.

Water may be used to flush spills away from exposures and to dilute spills to non flammable mixtures.

Water spray may be used to keep fire exposed containers cool.

### Precautions in connection with fire:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Container may explode when heated.

Fire will produce irritating, poisonous and or corrosive gases.

Highly flammable – will be easily ignited by heat, sparks or flame.

Hazardous polymerisation will not occur.

May be fatal if inhaled, swallowed or absorbed through skin.

May irritate or burn skin and eyes.

Run-off from fire control or dilution may pollute waterways.

Vapours may form explosive mixtures with air.

Vapours from run off may cause an explosion hazard.

Vapours may travel a considerable distance to source of ignition and flash back.

Vapours may collect in low or confined areas.

Wear SCBA fully encapsulating, gas tight suit when handling this substance.

Structural fire fighters uniform is NOT effective for this material.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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An emergency response plan is required under the Health and Safety at Work (Hazardous Substances) Regulations 2017 for a volume exceeding 1,000L.

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## Precautions:

- Extinguish or remove all source of ignition
- Clear area of all unprotected personnel
- Keep unnecessary and unprotected personnel from entering area
- Avoid release to the environment

## Suitable Protective Equipment:

Emergency responders must use personal protective equipment including gloves, safety goggles and overalls. Use a full face piece positive pressure air supplied respirator.

WARNING: Air purifying respirators do not protect workers in oxygen – deficient atmospheres.

## Spill or Leak Procedures:

Contain and recover liquid where possible. Use non sparking equipment and tools. Collect liquid in an appropriate container or absorb with an inert material (e.g. vermiculite, dry sand, earth). Wear appropriate protection equipment. Do not use combustible material, such as saw dust. Do not flush to sewer. If a leak or spill has not ignited, use water spray to disperse the vapours, to protect personnel attempting to stop the leak and to flush spills away to an area from which it is able to be collected.

## Small Spills:

Absorb the liquid with sand, earth or other inert non combustible absorbents. Place contaminated absorbent in sealed labelled containers.

## Large Spills:

- Immediately contact emergency services
- Spill or leak area should be isolated immediately for at least 50m in all directions
- Keep upwind and to higher ground
- Keep unauthorised personnel away
- Ventilate enclosed spaces

Shut off source of leak if safe to do so. Dike and contain spill. If possible, contain as much liquid for recycling. Take up liquid with earthed vacuum truck or absorb with sand, earth or other non combustible absorbent. Place contaminated absorbent in sealed labelled containers. Do not contaminate streams, rivers or water courses. Do not flush to drains or sewers, streams etc.

## Water Spill:

Notify regional council.

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## Waste Disposal Methods:

Dispose of as per Section 13.

## Emergency Preparation:

Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release.

## SECTION 7 – HANDLING AND STORAGE

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### Precautions for Safe Handling:

Explosive air-vapour mixtures may form. Earth and bond all transfer equipment, including tanks and drums. Have adequate fire equipment available.

Avoid contact with incompatible substances, which are:

- Class 1 explosive
- Class 2 flammable gases and aerosols
- Class 3.2 liquid desensitised explosives
- Class 4.1 and 4.2 flammable solids
- Class 4.3 “dangerous when wet” substances
- Class 5.1 oxidisers and
- Class 5.2 organic peroxides

Skin protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coverall as appropriate to protect skin contact.

Eye protection: Use chemical safety goggles and/ or a full face shield where splashing is possible.

### Safe Handling:

Keep away from heat, sparks, open flames and hot surfaces

No smoking

Storage and use areas should be no smoking areas

Keep container tightly closed

Keep away from food, foodstuffs, drinks or clothing

Do not eat, drink or smoke when using this product

Take off contaminated clothing and wash before reuse

Wash hands / skin thoroughly after handling with soap and water

Ground/bond container and receiving equipment

Use explosion proof electrical / ventilation / lighting

Use only non-sparking tools

Take precautionary measures against static discharge

Protect against physical damage

Separate from incompatibles

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Use only outdoors or in a well ventilated place  
Do not breathe fumes, mist, vapours or spray  
Containers of this material may be hazardous when empty as they may retain product residues (vapours / liquid)  
Avoid release to the environment

## Certified Handler:

A Certified Handler is not required for this substance, however appropriate training is required for handling any hazardous substance in a workplace.

## Storage:

Storage and use areas should be non smoking areas  
Keep container tightly closed  
Keep away from food, foodstuffs, drinks or clothing  
Take precautionary measures against static discharge  
Outside or detached storage is preferred  
Store in a cool, dry, well ventilated location away from any area where the fire hazard may be acute  
Protect against physical damage  
Reduce stored product to minimum quantities  
Do not store with incompatible substances  
Containers of this material may be hazardous when empty as they may retain product residues (vapours / liquid)

## Site Store Requirements:

Site store requirements such as fire separation distances, control of ignition sources, restricted access and explosive atmospheres should be adhered to and are defined in the Health and Safety at Work (Hazardous Substances) Regulations 2017.

Where the quantity stored exceeds 250L (including other 3.1B products) two correct type fire extinguishers are required to be located within 30m of the product. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017 for further details.

## Spill Containment:

Secondary containment is required under the Health and Safety at Work (Hazardous Substances) Regulations 2017 when held in quantities greater than 1,000L. Ensure that the containment facility is compatible with the substance.

## Security:

Store locked up when not in use  
Protect against physical damage e.g. vehicle impact

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## Control of Storage Environment:

Fire separation distances, control of ignition sources, restricted access and explosive atmospheres should be adhered to and are defined in Health and Safety at Work (Hazardous Substances) Regulations 2017.

Store in a cool, dry, well ventilated location, away from any area where the fire hazard may be acute

Ensure adequate ventilation of storage facility

Protect product from weather

Manage evaporative conditions

Ambient pressure should be maintained

Temperature conditions should not be excessive

Do not store with incompatible substances

## Packaging:

Where on sold to consumers, the substance must be packaged in containers that comply with the Health and Safety at Work (Hazardous Substances) Regulations 2017.

## SECTION 8 – EXPOSURE CONTROLS

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It is an offence to exceed workplace exposure standards.

### Workplace Exposure Standards:

INGREDIENT	ppm/STEL	ppm/ TWA
Methyl Ethyl Ketone	300	150
Toluene	-	50 (skin)
Xylene	-	50

### Engineering Controls:

Hazardous atmosphere zones must be identified and managed

Controlled zones must be identified and managed

Product must be stored and used in the appropriate building type

Refer to Health and Safety at Work (Hazardous Substances) Regulations 2017.

### Hierarchy of Controls:

As per the Health and Safety at Work Act 2015, the hierarchy of control measures should be considered in relation to this substance.

### Ventilation system:

Local exhaust ventilation usually required. Provide explosion proof ventilation system.



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## Personal Protective Equipment:

Avoid contact with the skin, eyes and avoid breathing the vapour or spray mist. For normal use the following equipment is necessary:

- Chemical face shield
- Avoid using contact lenses
- Chemical resistant gloves
- Non combustible overall done up
- Where the risk of splashing exists use a chemical resistant apron
- Rubber boots with chemical resistant soles

If exposure limits are exceeded and engineering controls are not feasible, a half face organic vapour respirator may be worn. Exposure limits with respirator use must not be exceeded.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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<b>UN Number:</b>	1993
<b>Packing Group:</b>	II
<b>Hazchem Code:</b>	3YE
<b>Description:</b>	Liquid, colourless, clear
<b>Odour:</b>	Characteristic aromatic odour
<b>Vapour Pressure:</b>	Unknown
<b>Vapour Density:</b>	Unknown
<b>Boiling Point:</b>	80-140°C
<b>Freezing Point:</b>	Unknown
<b>Solubility:</b>	Unknown
<b>Flashpoint:</b>	<23 °C
<b>Specific Gravity:</b>	Typically 0.85@ 20°C
<b>pH:</b>	Unknown
<b>% volatiles by volume @ 21°C:</b>	100

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## SECTION 10 – STABILITY AND REACTIVITY

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### Stability:

Stable under ordinary condition of use and storage.

Container may burst when heated.

Hazardous decomposition products: carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous polymerisation will not occur.

### Conditions to Avoid:

Contact sparks, heat, flames and hot surfaces. Ignition sources may result in combustion of the substance.

### Incompatibility:

Avoid contact with incompatible substances which are:

- Class 1 explosive
- Class 2 flammable gases and aerosols
- Class 3.2 liquid desensitised explosives
- Class 4.1 and 4.2 flammable solids
- Class 4.3 “dangerous when wet” substances
- Class 5.1 oxidisers
- Class 5.2 organic peroxides

## SECTION 11 – TOXICOLOGICAL INFORMATION

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Oral rat LD50: >6g/kg

No additional information is available.

### Health Effects:

#### Inhalation:

Inhalation may cause irritation of the upper respiratory tract. Symptoms of over exposure may include fatigue, confusion, headaches and drowsiness. Peculiar skin sensations (e.g. pins and needles) or numbness may be produced. Very high concentrations may cause unconsciousness and death. Inhalation hazard is increased at higher temperatures.

#### Ingestion:

Swallowing may cause abdominal spasms and other symptoms that parallel over exposure from inhalation. Aspiration of material into the lungs can cause chemical pneumonitis, which may be fatal.

#### Skin contact:

Causes irritation. May be absorbed through skin.

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## Eye contact:

Causes severe eye irritation with redness and pain.

## Chronic exposure:

Reports of chronic poisoning describe anaemia, decreased blood cell count and bone marrow hypoplasia. Liver and kidney damage may occur. Repeated or prolonged contact has a defatting action, causing drying, redness or dermatitis.

## Aggravation of pre-existing condition

Persons with pre-existing skin disorders, or impaired liver or kidney function, may be more susceptible to the effects of this substance. Vapours have a narcotic effect and prolonged inhalation may result in narcosis, unconsciousness, or in the worst case death.

## Reproductive hazard

This substance is a suspected human reproductive or developmental toxicant.

## SECTION 12 – ECOLOGICAL INFORMATION

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### Ecotoxicity:

Ecotoxic in the aquatic environment.  
Ecotoxic to terrestrial vertebrates.

### Persistence/degradability:

When released into soil, this material may evaporate to a moderate extent.  
When released into the soil, this material is expected to leach into ground water.  
When released into soil, this product may biodegrade to a moderate extent.  
When released into water, this material may evaporate to a moderate extent.  
When released into water, this product may biodegrade to a moderate extent.  
When released into the air this material may be moderately degraded by reaction with photo-chemically produced hydroxyl radicals.  
When released into air this material is expected to have a half life of less than 1 day.

### Bioaccumulation:

This material is not expected to significantly bio-accumulate.

### Mobility:

Unknown

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## SECTION 13 – DISPOSAL CONSIDERATIONS

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### Disposal:

Dispose of as hazardous waste according to the Health and Safety at Work (Hazardous Substances) Regulations 2017.

May be suitable for re-processing at an approved solvent recycling processing facility.

Do not dispose of to sewer systems.

### Disposal of packaging:

Where appropriate reuse or recycle empty container or contact local council for disposal information.

## SECTION 14 – TRANSPORT INFORMATION

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Classified as a dangerous good according to NZS 5433:2020.

**Proper shipping name:** Flammable Liquid NOS (Toluene)

**Hazard class:** 3

**UN Number:** 1993

**Packing Group:** II

## SECTION 15 – REGULATORY INFORMATION

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**HSNO Approval Code:** HSR 002650.

This substance has been classified as hazardous according to the Health and Safety at Work (Hazardous Substances) Regulations 2017.

## SECTION 16 – OTHER INFORMATION

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**Date of Preparation:** 30<sup>th</sup> Nov 2021

### Changes from previous version:

- Correction of Toluene CAS number.