

## Safety Data Sheet

### GUNWASH THINNERS

Issued: 21<sup>st</sup> July 2016

#### 1. Identification of the material and supplier

**Product Name:** Gunwash Thinners.

UN Number: 1263: Paint or Paint Related Material (Thinners).

Dangerous Goods Class: 3.

Subsidiary Risk: None Allocated.

Hazchem Code: ● 3 Y E

Packaging Group: II

**Supplier:** Solveco Pty Ltd  
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St Marys NSW 2760  
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**Uses:** Gunwash thinners is a mixture of flammable solvents, containing aliphatic and aromatic hydrocarbons. 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)

GHS Pictograms



**Signal Word: DANGER**

## 2.2. GHS Hazard Statements

### 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 HAZARDS

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

<u>Solvent</u>	<u>CAS No.</u>	<u>UN No.</u>	<u>Proportion %</u>	<u>Hazards Codes</u>
Toluene: Methyl Benzene	108-88-3	UN 1294	30 – 40	H225, H305, H315, H336, H361, H373, H401
Xylenes (all isomers; ortho, meta, para) 1,2-Dimethyl Benzene, 1,3-Dimethyl Benzene, 1,4-Dimethyl Benzene	1330-20-7	UN 1307	15 – 30	H225, H305, H315, H319, H335, H336, H351, H361, H373, H401
Acetone: 2 - Propanone	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 water & seek medical advice immediately.

**Poisons Information Centre, Westmead: Phone Nos. 131126**

#### **Eye Contact**

If eye contact occurs, wash with copious quantities of 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. Removed 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 difficulty 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 readily available / accessible in the work-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 clean-up require adequate respiratory, skin, and eye protection.

In case of spillage prevent liquid from entering drains or water courses.

### 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 temperatures and pressure.

Do not store with oxidising agents (Class 5.1) or inorganic acids (e.g. 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/m<sup>3</sup>), STEL = 150 ppm (565 mg/m<sup>3</sup>), absorption through skin possible.

Xylene isomers: TWA = 80 ppm (350 mg/m<sup>3</sup>), STEL = 150 ppm (655 mg/m<sup>3</sup>), absorption through skin possible.

Acetone: TWA = 500 ppm (1,185 mg/m<sup>3</sup>), STEL = 1000 ppm (2,375 mg/m<sup>3</sup>).

MEK: TWA = 150 ppm (445 mg/m<sup>3</sup>), STEL = 300 ppm (890 mg/m<sup>3</sup>).

Aliphatic solvent e.g. Cyclohexane (CAS No. 110-82-7): TWA = 100 ppm (350 mg/m<sup>3</sup>), STEL = 300 ppm (1050 mg/m<sup>3</sup>).

Aromatic solvent e.g. Ethyl Benzene (CAS No. 100-41-4): TWA = 100 ppm (434 mg/m<sup>3</sup>), STEL = 125 ppm (543 mg/m<sup>3</sup>).

**Exposure standard - time-weighted average (TWA):** The time weighted average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

**Exposure standard - short term exposure limit (STEL):** A 15 minute TWA exposure which should not be exceeded 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 than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

**Other Definitions:** ppm = parts per million. mg/m<sup>3</sup> = milligrams per cubic metre.

### 8.2. Engineering Controls.

Ensure ventilation is adequate and away from any ignition source. DO NOT SMOKE. Control concentrations of components 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) complying with AS 1716 if ventilation is inadequate. Ensure correct hygiene before eating, drinking, smoking etc.

### 8.4. Flammability.

This product is highly flammable; Keep away from heat and ignition sources.

## 9. Physical and chemical properties

Appearance: Colourless to slight coloured liquid with an aromatic odour.

Boiling Point: ~ 108 °C (variable)

Specific Gravity: ~ 0.857 (variable)

pH: N/A

Vapour Pressure: < 30 mm Hg (variable)

Flash Point: ~ < 23 – 27 °C (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 oxidising agents (Class 5.1), inorganic acids (e.g. 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 SDS. 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 judgement, and possible unconsciousness.

### **Long Term Effects**

For Toluene, (one of the components) there is evidence that repeated and 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 regulations for disposal of hazardous substances. Used clean material can be recycled.

### 14. Transport information

Classified as **Dangerous Goods** for Transport  
UN Number: 1263: Paint or Paint Related Material (Thinners)  
Class: Class 3 Flammable Liquids  
Packaging Group: II  
Proper Shipping Name: Gunwash Thinners  
Hazchem Code: ● 3 Y E



### 15. Regulatory information

GHS Classification: Hazardous

Flammable liquids, Category 2 (H225)  
Skin corrosion / irritation, Category 2 (H315)  
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### ENVIRONMENTAL HAZARDS

H401: Toxic to aquatic life.

**Poisons Schedule:** S6 Poison.

All components of this product are listed on the Australian Inventory of Chemical Substances; AICS website: ([www.nicnas.gov.au/obligations/aics/](http://www.nicnas.gov.au/obligations/aics/))

## 16. Other information

**Poisons Information Centre: Westmead.**

**Telephone: 131126**

This SDS summarises 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 in the workplace. Since Solveco cannot predict or control the user conditions, the user must, prior to use, assess and control the risks associated with its use. For any further information, please contact Solveco using the supplier contact details.