

# Material Safety Data Sheet

## GUNWASH THINNERS

Issued: 15<sup>th</sup> April 2010

### 1. Identification of the material and supplier

**Product Name:** Gunwash Thinners.

UN Number: 1263.

Dangerous Goods Class: 3.

Subsidiary Risk: None Allocated.

Hazchem Code: ● 3 Y E

Packaging Group: II

**Supplier:** Solveco P/L  
ABN: 24 117 069 625  
38 Links Rd  
St Marys NSW 2760  
Telephone: 02 9833 7035  
Emergency contact No. 02 9833 7035 (all hours)

Fax No.: 02 9673 1978

**Uses:** Gunwash thinner 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'

Xn: Harmful

Xi: Irritant

#### 2.1. Risk Phrases.

R11	Highly flammable
R20/21	Harmful by inhalation & in contact with skin
R36/38	Irritating with eyes & skin
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness & dizziness

## 2.2. Safety Phrases.

S16	Keep away from sources of ignition – No smoking
S24/25	Avoid contact with skin & eyes
S29	Do not empty into drains
S33	Take precautionary measures against static discharges
S38	In case of insufficient ventilation, wear suitable respiratory equipment

## 3. Composition/information on ingredients

<u>Solvent</u>	<u>CAS No.</u>	<u>UN No.</u>	<u>Proportion %</u>	<u>Risk Phrases</u>
Toluene	108-88-3	UN 1294	35 – 40	R11, R20
Xylene (isomers)	1330-20-7	UN 1307	20 – 25	R10, R20/21, R38
Acetone	67-64-1	UN 1090	10 - 15	R11, R36, R66, R67
Aliphatic solvents	N/A	N/A	10 – 20	R38, R65, R67
Aromatic solvents	N/A	N/A	10 - 20	R10, R20

## 4. First aid measures

### **Ingestion**

Wash mouth with water. If swallowed; **Do Not Induce Vomiting**. Give water & seek medical advice immediately.

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### **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 workplace. 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 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 (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>).

Aliphatic solvent eg 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 eg 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 yellow 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 (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 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  
Class: Class 3 Flammable Liquids  
Packaging Group: II  
Proper Shipping Name: Gunwash Thinners  
Hazchem Code: ● 3 Y E

### **15. Regulatory information**

**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 MSDS 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.