

### Safety Data Sheet

according to the Model Work Health and Safety Regulations

Date of issue:07/12/2016 Revision date:03/05/2019 Supersedes: 16/10/2018 Version: 4.1

### SECTION 1: Identification: Product identifier and chemical identity

1.1. Product identifier

Product form : Mixture

Trade name : LIGHTWEIGHT FILLER FOR MEDIUM DEPTH REPAIRS

Product code : GOLDLWF/M

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Fillers

### 1.4. Supplier's details

Supplier

U-POL AUSTRALIA PTY LIMITED Unit A, 16 - 20 Cassola Place Penrith, NSW 2750 - Australia T 02 4731 2655 - F 02 4731 2611 info@u-pol.co.nz - www.u-pol.com.au Supplier

U-POL NEW ZEALAND LIMITED c/o Lindsay & Associates Unit H, 12 Amera Place, East Tamaki Manukau City 2013 - New Zealand T + 612 4731 2655 - F + 612 4731 2611 technicalsupport@u-pol.com - www.u-pol.com

#### 1.5. Emergency phone number

Emergency number : Australia (CHEMTREC): + (61) - 290372994 ; New Zealand (National Poisons Centre): 0800

764 766

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the hazardous chemical

#### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 3 H226
Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2A H319
Reproductive toxicity, Category 2 H361
Specific target organ toxicity — Single exposure, H335

Category 3, Respiratory tract irritation

Specific target organ toxicity — Repeated

exposure, Category 1

H372

#### 2.2. Label elements

Hazard pictograms (GHS AU)







Signal word (GHS AU) : Danger

Contains : styrene (5 - 23 %); phthalic anhydride (< 5 %)

Hazard statements (GHS AU) : H226 - Flammable liquid and vapour.

H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.

H361 - Suspected of damaging the unborn child.

H372 - Causes damage to organs (hearing organs) through prolonged or repeated exposure (if

inhaled).

Precautionary statements (GHS AU) : P210 - Keep away from heat, hot surfaces, open flames, sparks. No smoking.

P260 - Do not breathe fume, vapours.

P264 - Wash hands thoroughly after handling.

P280 - Wear eye protection, protective clothing, protective gloves. P308+P313 - IF exposed or concerned: Get medical advice/attention.

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

03/05/2019 EN (English) 1/9

### Safety Data Sheet

according to the Model Work Health and Safety Regulations

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
styrene ()	100-42-5	5 - 23	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304
phthalic anhydride ()	85-44-9	< 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335
Other substances (not contributing to the classification of this product)		79.09 - 86.03	

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation

occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

#### 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: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

#### 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.

Hazchemcode : 3YE

#### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe vapours,

fume. Avoid contact with skin and eyes.

#### 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.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain released product, pump into suitable containers. Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters.

03/05/2019 EN (English) 2/9

### Safety Data Sheet

according to the Model Work Health and Safety Regulations

### 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. Keep away from heat, hot surfaces, sparks, open

flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapours,

fume. Avoid contact with skin and eyes.

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

Technical measures : Ground/bond container and receiving equipment.

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

Storage temperature :  $< 25 \, ^{\circ}\text{C}$ 

Storage area : Store in a well-ventilated place.
Special rules on packaging : Keep only in original container.

### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters - exposure standards

styrene (100-42-5)		
Australia	Local name	Styrene, monomer (Phenylethylene; Vinyl benzene)
Australia	TWA (mg/m³)	213 mg/m³
Australia	TWA (ppm)	50 ppm
Australia	STEL (mg/m³)	426 mg/m³
Australia	STEL (ppm)	100 ppm
New Zealand	Local name	Phenylethylene (Styrene, monomer) (Vinyl benzene)
New Zealand	TWA (mg/m³)	213 mg/m³
New Zealand	TWA (ppm)	50 ppm
New Zealand	STEL (mg/m³)	426 mg/m³
New Zealand	STEL (ppm)	100 ppm
New Zealand	Remark (NZ)	skin (Skin absorption), 6.7A (Confirmed carcinogen)
New Zealand	Regulatory reference	Worplace Exposure Standards and Biological Exposure Indices, 9th Edition

phthalic anhydride (85-44-9)		
Australia	Local name	Phthalic anhydride
Australia	TWA (mg/m³)	6.1 mg/m³
Australia	TWA (ppm)	1 ppm
Australia	Remark (AU)	Sen - Respiratory and/or Skin Sensitiser.
New Zealand	Local name	Phthalic anhydride
New Zealand	TWA (mg/m³)	16.1 mg/m³
New Zealand	TWA (ppm)	1 ppm
New Zealand	Remark (NZ)	sen (Sensitiser)
New Zealand	Regulatory reference	Worplace Exposure Standards and Biological Exposure Indices, 9th Edition

### Exposure limit values for the other components

#### 8.2. Monitoring

No additional information available

#### 8.3. Appropriate engineering controls

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

#### 8.4. Personal protective equipment

Personal protective equipment : Gloves. Protective clothing. Safety glasses.

Materials for protective clothing : Impermeable clothing

03/05/2019 EN (English) 3/9

### Safety Data Sheet

according to the Model Work Health and Safety Regulations

Hand protection : Protective gloves

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Protective gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR), Polyvinylalcohol (PVA), Viton	6 (> 480 minutes)	0.4		EN 374-3

Eye protection : Safety glasses

Туре	Use	Characteristics	Standard
Safety glasses	Dust	clear	

Skin and body protection : Wear suitable protective clothing

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

Device	Filter type	Condition	Standard
Breathing apparatus, Gas filters	Type A - High-boiling (>65 °C) organic compounds	Vapour protection	EN 140, EN 136, EN 143, EN 145, EN 149

Personal protective equipment symbol(s)









Environmental exposure controls : Avoid release to the environment.

### SECTION 9: Physical and chemical properties

Physical state : Liquid

Appearance :

Paste.

Colour : No data available
Odour : No data available
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available

Melting point / Freezing point : Melting point : Not applicable

Boiling point : No data available

Flash point : 28 °C

Auto-ignition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative density : No data available

Density : Density :  $\approx 1.23 (1.2 - 1.26) \text{ g/cm}^3$ 

Solubility : insoluble in water. soluble in most organic solvents.

Log Pow : No data available Viscosity, kinematic :  $\approx 73170.732 \text{ mm}^2\text{/s}$ 

Viscosity, dynamic : ≈ 90000 (80000 - 100000) cP

Explosive properties : No data available
Explosive limits : No data available
Minimum ignition energy : No data available

 VOC content
 : 189 g/l

 VOC content - Regulatory
 : 220 g/l

 Percent Solids
 : 84.7 wt%

### **SECTION 10: Stability and reactivity**

Reactivity : Flammable liquid and vapour. Flammable liquid and vapour.

Chemical stability : Stable under normal conditions.

03/05/2019 EN (English) 4/9

### Safety Data Sheet

according to the Model Work Health and Safety Regulations

Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.

Conditions to avoid : Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be

produced.

### **SECTION 11: Toxicological information**

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

styrene (100-42-5)		
LD50 oral rat	> 6000 mg/kg bodyweight (Rat, Male, Weight of evidence, Oral)	
LD50 oral	> 6000 mg/kg bodyweight (Hamster, Male, Experimental value, Oral)	
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal)	
LC50 inhalation rat (mg/l)	11.8 mg/l air (4 h, Rat, Inconclusive, insufficient data, Inhalation (vapours))	
LC50 inhalation rat (Vapours - mg/l/4h)	< 6000 mg/l/4h	
phthalic anhydride (85-44-9)		
LD50 oral rat	1530 mg/kg (Rat, Male, Experimental value, Oral)	
LD50 dermal rabbit	> 3160 mg/kg (Rabbit, Experimental value, Dermal)	
LC50 inhalation rat (mg/l)	> 2.14 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value, Inhalation (aerosol))	

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging the unborn child.

STOT-single exposure : May cause respiratory irritation.

STOT-repeated exposure : Causes damage to organs (hearing organs) through prolonged or repeated exposure (if

inhaled).

Aspiration hazard : Not classified

LIGHTWEIGHT FILLER FOR MEDIUM DEPTH REPAIRS	
Viscosity, kinematic	≈ 73170.732 mm²/s

### **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 : Not classified Chronic aquatic toxicity : Not classified

styrene (100-42-5)	
LC50 fish 1	10 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	4.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Flow-through system, Fresh water, Experimental value, GLP)
ErC50 (algae)	4.9 mg/l (EPA OTS 797.1050, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
BCF fish 1	35.5 (Carassius auratus, Literature study)
Log Pow	2.96 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Log Koc	2.55 (log Koc, Estimated value)
phthalic anhydride (85-44-9)	
LC50 fish 1	56 mg/l (96 h, Pisces, Literature study)
EC50 Daphnia 1	71 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Fresh water, Experimental value, GLP)

03/05/2019 EN (English) 5/9

### Safety Data Sheet

according to the Model Work Health and Safety Regulations

phthalic anhydride (85-44-9)	
BCF fish 1	71.87 (24 h, Gambusia affinis, Literature study)
BCF other aquatic organisms 1	39.46 (24 h, Daphnia magna, Literature study)
Log Pow	1.6 (Experimental value, Other)

#### Persistence and degradability 12.2.

styrene (100-42-5)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Chemical oxygen demand (COD)	2.8 g O <sub>2</sub> /g substance
ThOD	3.07 g O₂/g substance
BOD (% of ThOD)	0.42 (Literature study)
phthalic anhydride (85-44-9)	

phthalic anhydride (85-44-9)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.26 g O₂/g substance
ThOD	1.51 g O₂/g substance
BOD (% of ThOD)	0.83

#### **Bioaccumulative potential** 12.3.

styrene (100-42-5)	
BCF fish 1	See section 12.1 on ecotoxicology
Log Pow	See section 12.1 on ecotoxicology
Log Koc	See section 12.1 on ecotoxicology
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
phthalic anhydride (85-44-9)	
BCF fish 1	See section 12.1 on ecotoxicology
BCF other aquatic organisms 1	See section 12.1 on ecotoxicology
Log Pow	See section 12.1 on ecotoxicology
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

#### 12.4. **Mobility in soil**

styrene (100-42-5)	
Surface tension	0.032 N/m (20 °C)
Log Pow	See section 12.1 on ecotoxicology
Log Koc	See section 12.1 on ecotoxicology
Ecology - soil	Low potential for adsorption in soil.
phthalic anhydride (85-44-9)	

Log Pow See section 12.1 on ecotoxicology

#### 12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

LIGHTWEIGHT FILLER FOR MEDIUM DEPTH REPAIRS	
Fluorinated greenhouse gases	False
styrene (100-42-5)	
Fluorinated greenhouse gases	False
phthalic anhydride (85-44-9)	
Fluorinated greenhouse gases	False

### **SECTION 13: Disposal considerations**

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

### **SECTION 14: Transport information**

14 1	IIN	num	har

UN-No. (ADG) : 1866 UN-No. (IMDG) 1866 UN-No. (IATA) 1866

03/05/2019 EN (English) 6/9

### Safety Data Sheet

according to the Model Work Health and Safety Regulations

#### 14.2. Proper Shipping Name - Addition

Proper Shipping Name (ADG) : RESIN SOLUTION, flammable

Proper Shipping Name (IMDG) : RESIN SOLUTION Proper Shipping Name (IATA) : Resin solution

#### 14.3. Transport hazard class(es)

#### **ADG**

Transport hazard class(es) (ADG) : 3
Danger labels (ADG) : 3

.



#### **IMDG**

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3



#### IATA

Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3

.



### 14.4. Packing group

Packing group (ADG) : III
Packing group (IMDG) : III
Packing group (IATA) : III

### 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

: TP1

#### Transport by road and rail

UN-No. (ADG) : 1866 Special provision (ADG) : 223 Limited quantities (ADG) : 5I

Packing instructions (ADG) : P001, IBC03, LP01

Special packing provisions (ADG) : PP1
Portable tank and bulk container instructions : T2

(ADG)

Portable tank and bulk container special

provisions (ADG)

03/05/2019 EN (English) 7/9

### Safety Data Sheet

according to the Model Work Health and Safety Regulations

#### Transport by sea

UN-No. (IMDG) : 1866
Special provisions (IMDG) : 223, 955
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T2
Tank special provisions (IMDG) : TP1

EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage) : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER

Stowage category (IMDG) : A

Properties and observations (IMDG) : Miscibility with water depends upon the composition.

#### Air transport

UN-No. (IATA) : 1866 PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y344 PCA limited quantity max net quantity (IATA) : 10L PCA packing instructions (IATA) : 355 PCA max net quantity (IATA) : 60L CAO packing instructions (IATA) : 366 CAO max net quantity (IATA) : 220L Special provisions (IATA) : A3 ERG code (IATA) : 3L

#### 14.8. Hazchem or Emergency Action Code

Hazchemcode : 3YE

### **SECTION 15: Regulatory information**

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

No additional information available

### Hazardous Substances and New Organisms Act

HSNO Approval Number : HSR002662

Group standard : Surface coatings and colourants

#### 2-phenoxyethanol (122-99-6)

**Hazardous Substances and New Organisms Act** 

HSNO Approval Number : HSR003045

#### 15.2. International agreements

No additional information available

### **SECTION 16: Any other relevant information**

Revision date : 03/05/2019

#### Classification:

Flam. Liq. 3	H226	
Skin Irrit. 2	H315	
Eye Irrit. 2A	H319	
Repr. 2	H361	
STOT SE 3	H335	
STOT RE 1	H372	

### Full text of H-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2

03/05/2019 EN (English) 8/9

### Safety Data Sheet

according to the Model Work Health and Safety Regulations

Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.

#### SDS Australia U-POL

#### For professional use only.

The information contained within this Safety Data Sheet (SDS) is believed to be correct as of the date issued however it is subject to change from time to time. It does not purport to be all inclusive or exhaustive and shall only be used as a guide. U-POL makes no warranties, expressed or implied, including but not limited to, any implied warranty of fitness for a given purpose or usage. It is the Buyers responsibility to ensure the suitability of the products for their own use and to check the information is up to date. U-POL cannot be held responsible for the suitability of use for any of its products, considering the wide range of factors such as application, substrates and handling methods. Since these conditions of use are outside of our control, the company shall not be held liable for any damage resulting from handling or from contact with the product detailed. Moreover, addition of reducers, hardeners or other additives over and above U-POL's recommendations for use, may substantially alter the composition and hazards of the product. U-POL data sheets are available via the U-POL website at WWW.U-POL.COM.

03/05/2019 EN (English) 9/9