

This safety data sheet complies with the requirements of: Australia Work Health and Safety Act 2012

Section 1: Identification: Product identifier and chemical identity

Identification of the substance or preparation

Product Name WSR Resin

Other means of identification

Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Identified uses: Adhesives and/or sealants Coating
Uses advised against: No information available

Details of manufacturer or importer

Manufacturer

Esprit Windscreen Repair Equipment Limited
Unit 44 Winpenny Road,
Parkhouse Industrial Estate East
Newcastle Under Lyme
Staffordshire
ST5 7RH
United Kingdom
Tel: +44(0)1782 565 811
Email: sales@espritws.com

Australian Importer

ALP Oz Auto Moulds Pty Ltd
26 Apollo Drive
Hallam 3803
Victoria
Australia

Tel: +61(3) 9703 1522
Email: sales@alpoz.com.au

For further information, please contact:

Contact Point Sales Office
E-mail Address sales@espritws.com

Emergency Telephone

Australia 13 11 26

Section 2: Hazard(s) identification

GHS - Classification

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Skin sensitization	Category 1B - (H317)
Specific target organ toxicity (single exposure)	Category 3 - (H335)

Target Organ Effects

Respiratory system EYES Skin

Label elements

Exclamation mark Corrosion



Signal word

Danger

Hazard statements

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Use only outdoors or in a well-ventilated area

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards which do not result in classification

Testing for acute and chronic aquatic effects determined no environmental classification is required.

Section 3: Composition and information on ingredients, in accordance with Schedule 8

Substance

Not applicable

Mixture

Chemical Name	CAS No.	Weight-%
Benzyl Methacrylate	2495-37-6	20 - 30%
2-Hydroxyethyl methacrylate	868-77-9	20 - 30%
Isobornyl Acrylate	5888-33-5	10 - 20%
Octyl acrylate	2499-59-4	0 - 10%
decyl acrylate	2156-96-9	0 - 10%
Acrylic acid	79-10-7	0 - 10%
Silane Coupling Agent	Proprietary	0 - 10%
Non-hazardous ingredients	Proprietary	Balance

Section 4: First aid measures

First aid measures

General advice

Immediate medical attention is required
Show this safety data sheet to the doctor in attendance

Emergency telephone number

Poisons Information Center, Australia: 13 11 26
Poisons Information Center, New Zealand: 0800 764 766

Inhalation

Remove to fresh air, If symptoms persist, call a physician.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician

Skin contact

Wash off immediately with soap and plenty of water for at least 15 minutes
Get medical attention if irritation develops and persists

Ingestion

If swallowed, Rinse mouth, Get immediate medical advice/attention.

Self-protection of the first aider

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination, See section 8 for more information.

Most important symptoms and effects, both acute and delayed

Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

Section 5: Firefighting measures

Suitable Extinguishing Media

CO₂, dry chemical, dry sand, alcohol-resistant foam.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Hazardous combustion products

Hazardous decomposition products due to incomplete combustion.

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Wear protective gloves/protective clothing and eye/face protection. Do not breathe dust/fume/gas/mist/vapors/spray.

Other Information

Refer to protective measures listed in Sections 7 and 8.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Try to prevent the material from entering drains or water courses. Should not be released into the environment. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Precautions to prevent secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: Handling and storage, including how the chemical may be safely used

Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation, Protect from light.

General hygiene considerations

Avoid contact with skin, eyes or clothing
Wear suitable gloves and eye/face protection
Do not eat, drink or smoke when using this product
Handle in accordance with good industrial hygiene and safety practice
Wash hands and face before breaks and immediately after handling the product
Take off contaminated clothing and wash it before reuse
Contaminated work clothing should not be allowed out of the workplace
Avoid breathing dust/fume/gas/mist/vapors/spray

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place
Protect from light

Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents, Amines, Thiosulfates.

Section 8: Exposure controls and personal protection

Control parameters

Exposure Limits

Chemical Name	Australia
Acrylic acid	TWA 2 ppm TWA 5.9 mg/m ³

Appropriate engineering controls

Engineering controls

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles), If splashes are likely to occur., Goggles.

Skin and body protection

Wear suitable protective clothing, Long sleeved clothing.

Hand protection

Wear suitable gloves, Nitrile rubber.

Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water, Local authorities should be advised if significant spillages cannot be contained.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state	liquid
Appearance	transparent
Color	colorless
Odor	Characteristic
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks / • Method</u>
pH		No information available
Melting point / freezing point		No information available
Boiling point / boiling range		No information available
Flash point	101 °C / 214 °F	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		No information available
Upper flammability limit	-	
Lower flammability limit	-	
Vapor pressure		No information available
Vapor density		No information available
Relative density		No information available
Water Solubility		Practically insoluble
Solubility in other solvents		No information available
Partition coefficient: n-octanol/water		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity	17 cP	
Explosive properties		No information available
Oxidizing properties		No information available

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

Section 10: Stability and reactivity

Reactivity

No information available.

Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Protect from light, Heat, flames and sparks.

Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents, Amines, Thiosulfates.

Hazardous Decomposition Products

No decomposition if stored and applied as directed.

Section 11: Toxicological information

Acute toxicity

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available, (based on components), Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye contact	Specific test data for the substance or mixture is not available, (based on components), Causes eye irritation, May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available, (based on components), Prolonged contact may cause redness and irritation.
Ingestion	Specific test data for the substance or mixture is not available, (based on components), May cause irritation.
Symptoms	May cause redness and tearing of the eyes, May cause allergic skin reaction, Prolongedcontact may cause redness and irritation.

Numerical measures of toxicity - Product Information Unknown acute toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	8,048.20 mg/kg
ATEmix (dermal)	13,186.93 mg/kg
ATEmix (inhalation-vapor)	246.60 mg/l
ATEmix (inhalation-dust/mist)	25.90 mg/l

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Hydroxyethyl methacrylate	= 5050 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	
Isobornyl Acrylate	= 4890 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Octyl acrylate	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
decyl acrylate	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
Acrylic acid	= 193 mg/kg (Rat) = 33500 µg/kg (Rat)	= 280 µL/kg (Rabbit) = 295 mg/kg (Rabbit)	= 5300 mg/m ³ (Rat) 2 h
Silane Coupling Agent	= 7.01 g/kg (Rat) = 22600 µL/kg (Rat)	= 3970 µL/kg (Rabbit)	> 5.3 mg/L (Rat) 4 h

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients, Irritating to skin.
Serious eye damage/eye irritation	Classification based on data available for ingredients, Causes burns, Risk of serious damage to eyes.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	May cause respiratory irritation.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Section 12: Ecological information

Ecotoxicity

Unknown aquatic toxicity

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Product Information

Testing for acute and chronic aquatic effects determined no environmental classification is required.

Component Information

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Benzyl Methacrylate	-	LD50 4.25 - 5.13 mg/L 96 h (Pimephales promelas)	-	-
2-Hydroxyethyl methacrylate	-	LC50 = 227 mg/L 96 h (Pimephales promelas)	-	EC50 > 380 mg/l 48 h (Daphnia magna)
Isobornyl Acrylate	ErC 50 = 2.7 mg/L 96 h (Pseudokirchneriella subcapitata)	LC50 = 1.8 mg/L 96 h (Danio rerio)	-	EC 50 = 1.1 mg/L 48 h (Daphnia magna)
Acrylic acid	EC50 0.04 mg/L 72 h (Desmodesmus subspicatus)	LC50 = 222 mg/L 96 h (Brachydanio rerio)	-	EC50 = 95 mg/L 48 h (Daphnia magna)
Silane Coupling Agent	-	55: 96 h Cyprinus carpio mg/L LC50 semi-static	-	-

Persistence and degradability

No information available.

Bioaccumulative potential

Component Information

Chemical Name	log Pow
2-Hydroxyethyl methacrylate	0.47
Isobornyl Acrylate	4.52
Acrylic acid	0.46

Mobility

Mobility in soil No product level data available.

Other adverse effects

None.

Section 13: Disposal Consideration

Waste treatment methods

Waste from residues/unused products

This material, as supplied, is not a hazardous waste according to state and Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste pursuant to Federal regulations, and the applicable state requirements for the specific area of disposal. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging

Do not reuse empty containers, Dispose of in accordance with federal, state and local regulations.

Section 14: Transport information

ADG Not regulated

ICAO/IATA Not regulated

IMDG/IMO Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

Section 15: Regulatory information

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

National regulations

Australia

See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

No poisons schedule number allocated

International Inventories

AICS Not listed

TSCA Complies

DSL/NDSL Complies

EINECS/ELINCS Complies

ENCS Complies

IECSC Complies

KECI Complies

PICCS Not listed

NZIoC Not listed

TCSI Not listed

Legend:

AICS - Australian Inventory of Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

TCSI - Taiwan Chemical Substance Inventory

International Regulations

Ozone-depleting substances (ODS)

Not applicable

Persistent Organic Pollutants

Not applicable

The Rotterdam Convention

Not applicable

Section 16: Any other relevant information

Prepared By EHS Department

Revision Date 2020-01-06

Revision Note No information available.

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA:	Time weighted average	STEL:	Short term exposure limit
Ceiling:	Maximum limit value:	S*	Skin designation
C	Carcinogen		

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