Safety Data Sheet
according to WHS Regulations

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1 Identification

· **Other means of identification**

· **Trade name: ARDEX PMO 593 F, Component B**

· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture** Adhesives

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
ARDEX Australia Pty Ltd
2 Buda Way, Kemps Creek
NSW 2174
Technical.Services@ardexaustralia.com
Phone: 1300 788 780

· **Informing department:**
Product safety department.
msds@wakol.de

· **Emergency telephone number:**
Emergency CONTACT (24-Hour-Number)
GBK GmbH Global Regulatory Compliance +49 (0)6132-84463

2 Hazard(s) Identification

· **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).

· **Label elements**
· **GHS label elements** Void
· **Hazard pictograms** Void
· **Signal word** Void
· **Hazard statements** Void
· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable

3 Composition and Information on Ingredients

· **Chemical characterisation: Mixtures**
· **Description:** Adhesive

· **Dangerous components:**

CAS: 56-81-5 EINECS: 200-289-5	glycerol	>2.5–≤5%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

· **After inhalation** Supply fresh air; consult doctor in case of complaints.
· **After skin contact** Immediately wash with water and soap and rinse thoroughly.

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· ***After eye contact***
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· ***After swallowing*** *Do not induce vomiting; call for medical help immediately.*
· ***Information for doctor***
· ***Most important symptoms and effects, both acute and delayed*** *No further relevant information available.*
· ***Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

5 Fire Fighting Measures

· ***Suitable extinguishing agents***
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
· ***Special hazards arising from the substance or mixture*** *No further relevant information available.*
· ***Protective equipment:*** *Wear self-contained respiratory protective device.*

6 Accidental Release Measures

· ***Personal precautions, protective equipment and emergency procedures*** *Ensure adequate ventilation*
· ***Environmental precautions:***
Do not allow product to reach sewage system or any water course.
Dilute with plenty of water.
· ***Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
· ***Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

· ***Handling***
· ***Precautions for safe handling*** *No special precautions are necessary if used correctly.*
· ***Information about protection against explosions and fires:*** *No special measures required.*
· ***Storage***
· ***Requirements to be met by storerooms and containers:*** *No special requirements.*
· ***Information about storage in one common storage facility:*** *Not required*
· ***Further information about storage conditions:***
Protect from frost.
Store in cool, dry conditions in well sealed receptacles.
· ***Specific end use(s)*** *No further relevant information available.*

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8 Exposure controls and personal protection

· **Appropriate engineering controls** No further data; see section 7.
· **Components with critical values that require monitoring at the workplace:**

56-81-5 glycerol
WEL (Australia) Long-term value: 10 mg/m³
WES (Australia) Long-term value: 10 mg/m³
inhalable dust

· **DNELs**

56-81-5 glycerol
Oral DNEL 229 mg/kg (consumers (Long-term))
Inhalative DNEL 33 mg/m³ (consumers (Long-term))
56 mg/m³ (workers (Long-term))

2634-33-5 1,2-benzisothiazol-3(2H)-one
Dermal DNEL 0.345 mg/kg/day (consumers (Long-term))
0.966 mg/kg/day (workers (Long-term))
Inhalative DNEL 1.2 mg/m³ (consumers (Long-term))
6.81 mg/m³ (workers (Long-term))

· **PNECs**

56-81-5 glycerol
PNEC 0.885 mg/l (Freshwater)
0.088 mg/l (Sea water)
1,000 mg/l (Purification plant)
PNEC 0.141 mg/kg (Soil)
0.33 mg/kg (Sediment (Sea water))
3.3 mg/kg (Sediment (Freshwater))

2634-33-5 1,2-benzisothiazol-3(2H)-one
PNEC 4.03 µg/l (Freshwater)
0.403 µg/l (Sea water)
PNEC 1.03 mg/l (Purification plant)
PNEC 3 mg/kg (Soil)
0.00499 mg/kg (Sediment (Sea water))
0.0499 mg/kg (Sediment (Freshwater))

55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)
PNEC 0.00339 mg/l (Freshwater)
0.00339 mg/l (Sea water)
0.00339 mg/l (Water - partially release)
0.23 mg/l (Purification plant)

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PNEC 0.01 mg/kg (Soil)
0.027 mg/kg (Sediment (Sea water))
0.027 mg/kg (Sediment (Freshwater))

· **Additional information:** The lists valid during the making were used as basis.
· **Personal protective equipment**
· **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
· **Breathing equipment:** Not necessary if room is well-ventilated.
· **Protection of hands:**



Protective gloves

Preventive skin protection by use of skin-protecting agents is recommended.
· **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.35 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and Chemical Properties

· **General Information**	
· **Appearance:**	
· **Form:**	Fluid
· **Colour:**	According to product specification
· **Smell:**	Characteristic
· **Odour threshold:**	Not determined
· **pH-value:**	Not determined
· **Change in condition**	
· **Melting point/freezing point:**	Undetermined
· **Initial boiling point and boiling range:**	100 °C
· **Flash point:**	Not applicable
· **Inflammability (solid, gaseous)**	Not applicable

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· **Decomposition temperature:**	Not determined
· **Self-inflammability:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Critical values for explosion:**	
· **Lower:**	Not determined
· **Upper:**	Not determined
· **Steam pressure:**	Not determined
· **Density at 20 °C**	1.28 g/cm³ (EN ISO 2811-1)
· **Relative density**	Not determined
· **Vapour density**	Not determined
· **Evaporation rate**	Not determined
· **Solubility in / Miscibility with**	
· **Water:**	Fully miscible.
· **Partition coefficient: n-octanol/water:**	Not determined
· **Viscosity:**	
· **dynamic at 20 °C:**	175,000 mPas (ISO 2555)
· **kinematic:**	Not determined
· **VOC**	0.00 %
· **Other information**	
· **Particle characteristics**	Not applicable
· **Physical state**	Liquid

10 Stability and Reactivity

· **Reactivity** No further relevant information available.
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

· **Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.
· **LD/LC50 values that are relevant for classification:**

56-81-5 glycerol
Oral LD50 12,600 mg/kg (Rat)
Dermal LD50 >18,700 mg/kg (rabbit)

2634-33-5 1,2-benzisothiazol-3(2H)-one
Oral LD50 450 mg/kg (ATE)
Dermal LD50 4,115 mg/kg (Rat)

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55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)

Oral LD50 64 mg/kg (Rat)

Dermal LD50 87.12 mg/kg (rabbit)

· ***Primary irritant effect:***
· ***Skin corrosion/irritation*** Based on available data, the classification criteria are not met.
· ***Serious eye damage/irritation*** Based on available data, the classification criteria are not met.
· ***Respiratory or skin sensitisation*** Based on available data, the classification criteria are not met.
· ***Germ cell mutagenicity*** Based on available data, the classification criteria are not met.
· ***Carcinogenicity*** Based on available data, the classification criteria are not met.
· ***Reproductive toxicity*** Based on available data, the classification criteria are not met.
· ***STOT-single exposure*** Based on available data, the classification criteria are not met.
· ***STOT-repeated exposure*** Based on available data, the classification criteria are not met.
· ***Aspiration hazard*** Based on available data, the classification criteria are not met.

12 Ecological Information

· ***Toxicity***
· ***Aquatic toxicity:***

56-81-5 glycerol

LC50 >10,000 mg/l (Leuciscus idus)
>5,000 mg/l (Carassius auratus)
EC50/24h >10,000 mg/l (Daphnia magna)
EC50/48h >2,900 mg/l (Microcystis aerruginosa)
EC50/72h >10,000 mg/l (Pseudomonas putida)

2634-33-5 1,2-benzisothiazol-3(2H)-one

LC50/96h 2.18 mg/l (Oncorhynchus mykiss)
2.2 mg/l (Lepomis macrochirus)
EC50/18h 0.4 mg/l (Pseudomonas putida)
EC50/48h 2.94 mg/l (Daphnia magna)
EC50/72h 0.067 mg/l (Pseudokirchneriella subcapitata)
EC0 1 mg/l (Daphnia magna)

55965-84-9 a mixture of: 5-chloro-2-methyl-2 H -isothiazol-3-one [EC No 247-500-7] and 2-methyl-2 H -isothiazol-3-one [EC No 220-239-6] (3:1)

NOEC/48h 0.00064 mg/l (Skeletonema costatum)
NOEC/21d 0.004 mg/l (Daphnia magna)
LC50/96h 0.188 mg/l (Oncorhynchus mykiss)
EC20/3h 0.97 mg/l (sludge)
EC50/48h 0.126 mg/l (Daphnia magna)
EC50/3h 7.92 mg/l (sludge) (OECD 209)
EC50/72h 0.048 mg/l (Pseudokirchneriella subcapitata)

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EC50/96h 0.22 mg/l (Oncorhynchus mykiss)
NOEC/72h 0.0012 mg/l (Pseudokirchneriella subcapitata)
· **Persistence and degradability** No further relevant information available.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable
· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleaning agent:** Water, if necessary together with cleansing agents.

14 Transport information

· **UN-Number**
· **ADG, IMDG, IATA** Void
· **UN proper shipping name**
· **ADG, IMDG, IATA** Void
· **Transport hazard class(es)**

· **ADG, ADN, IMDG, IATA**
· **Class** Void
· **Packing group**
· **ADG, IMDG, IATA** Void
· **Environmental hazards:** Not applicable
· **Special precautions for user** Not applicable
· **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable

· **Transport/Additional information:** Not dangerous according to the above specifications.
· **UN "Model Regulation":** Void

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15 Regulatory information

· ***Safety, health and environmental regulations/legislation specific for the substance or mixture***
· ***Australian Inventory of Industrial Chemicals***

All ingredients are listed.
· ***Standard for the Uniform Scheduling of Medicines and Poisons***

None of the ingredients is listed.
· ***Australia: Priority Existing Chemicals***

None of the ingredients is listed.
· ***GHS label elements*** *Void*
· ***Hazard pictograms*** *Void*
· ***Signal word*** *Void*
· ***Hazard statements*** *Void*

· ***Directive 2012/18/EU***
· ***Named dangerous substances - ANNEX I*** *None of the ingredients is listed.*

· ***National regulations***
· ***VOC:***
· ***VOC (EU)*** *0.0 g/l*
· ***Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· ***Contact:***
· ***Abbreviations and acronyms:***
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative