Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.05.2022 Version number 1 Revision: 26.05.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**

- **Trade name: 7900 Engine Sealant 100g**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Sealant

- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Wolfchester Australia
4/122 Beresford Road
Lilydale, VIC, 3140
Tel: +61 3 9737 2800

- **Further information obtainable from:** Safety Department
- **Department issuing MSDS:** sales@wolfchester.com.au
- **1.4 Emergency telephone number:** Poisons Centre: 13 11 26

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
Xi; Irritant

R36: Irritating to eyes.

F; Highly flammable

R11: Highly flammable.

R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

- **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
Has a narcotising effect.

- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**

GHS02 GHS07

- **Signal word** Danger

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- **Hazard-determining components of labelling:**
  n-butyl acetate
- **Hazard statements**
  H225 Highly flammable liquid and vapour.
  H319 Causes serious eye irritation.
  H336 May cause drowsiness or dizziness.
- **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P261	Avoid breathing vapours.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**
  EUH066 Repeated exposure may cause skin dryness or cracking.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate R10-66-67 Flam. Liq. 3, H226; STOT SE 3, H336	20-<25%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43-xxxx	butanone Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	15-<20%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-xxxx	propan-2-ol Xi R36; F R11 R67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	15-<20%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Remove any clothing soiled by the product.
- **After inhalation:**
  Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
  In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** After contact with skin, wash with plenty of water.
- **After eye contact:**
  In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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- **After swallowing:**
  Rinse out mouth and then drink plenty of water.
  If swallowed, do not induce vomiting: seek medical advice and show this container or label.
- **4.2 Most important symptoms and effects, both acute and delayed**
  No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
  No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
  Can form explosive gas-air mixtures.
  Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
  Wear self-contained respiratory protective device.
  Do not inhale explosion gases or combustion gases.
- **Additional information**
  Cool endangered receptacles with water spray.
  Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment. Keep unprotected persons away.
  Ensure adequate ventilation
  Keep away from ignition sources.
  Avoid contact with the eyes and skin.
- **6.2 Environmental precautions:**
  Prevent seepage into sewage system, workpits and cellars.
  Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
  Ensure adequate ventilation.
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
  Fumes can combine with air to form an explosive mixture.
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 10 for information on "stability and reactivity".
  See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  Keep receptacles tightly sealed.
  Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- **Information about fire - and explosion protection:**
  Keep ignition sources away - Do not smoke.
  Protect against electrostatic charges.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
  Protect from frost.
  Keep receptacle tightly sealed.
  Store receptacle in a well ventilated area.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**	
123-86-4 n-butyl acetate	
MAK (Switzerland)	Short-term value: 960 mg/m³, 200 ppm Long-term value: 480 mg/m³, 100 ppm SSc;
78-93-3 butanone	
MAK (Switzerland)	Short-term value: 590 mg/m³, 200 ppm Long-term value: 590 mg/m³, 200 ppm H B SSc;
67-63-0 propan-2-ol	
MAK (Switzerland)	Short-term value: 1000 mg/m³, 400 ppm Long-term value: 500 mg/m³, 200 ppm B SSc;

- **DNELs**		
123-86-4 n-butyl acetate		
Inhalative	Akut, Lokale Effekte	859,7 mg/m³ (all)
		960 mg/m³ (ber)
	Akut, Systemische Effekte	859,7 mg/m³ (all)
		960 mg/m³ (ber)
	Langzeit, Lokale Effekte	102,34 mg/m³ (all)
		480 mg/m³ (ber)
	Langzeit, Systemische Effekte	102,34 mg/m³ (all)
		480 mg/m³ (ber)

- **PNECs**	
123-86-4 n-butyl acetate	
PNEC Boden	0,0903 mg/kg Boden (-)
PNEC Kläranlage	35,6 mg/l (-)
PNEC Meerwasser	0,018 mg/l (-)
PNEC Meerwassersediment	0,0981 mg/kg Sediment (-)
PNEC Süßwasser	0,18 mg/l (-)
PNEC Süßwassersediment	0,981 mg/kg Sediment (-)

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- **Ingredients with biological limit values:**	
78-93-3 butanone	
BAT (Switzerland)	5 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Biol. Parameter: 2-Butanon (MEK)
67-63-0 propan-2-ol	
BAT (Switzerland)	25 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Biol. Parameter: Aceton 25 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Biol. Parameter: Aceton

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

- **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.
filter A (EN 141)

- **Protection of hands:**

Protective gloves (EN 374)
Check protective gloves prior to each use for their proper condition.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

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:** Safety glasses

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Viscous
Colour:	Red-brown
- **Odour:**	Characteristic

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- **Odour threshold:**	Not determined.
- **pH-value:**	Not determined.
- **Change in condition** **Melting point/Melting range:** **Boiling point/Boiling range:**	 Undetermined. >35 °C
- **Flash point:**	<21 °C
- **Flammability (solid, gaseous):**	Not applicable.
- **Ignition temperature:**	
Decomposition temperature:	Not determined.
- **Self-igniting:**	Product is not self-igniting.
- **Danger of explosion:**	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:** **Lower:** **Upper:**	 Not determined. Not determined.
- **Vapour pressure:**	Not determined.
- **Density at 20 °C:** - **Relative density** - **Vapour density** - **Evaporation rate**	1 g/cm³ Not determined. Not determined. Not determined.
- **Solubility in / Miscibility with water:**	Partly miscible.
- **Partition coefficient (n-octanol/water):**	Not determined.
- **Viscosity:** **Dynamic:** **Kinematic at 20 °C:** - **9.2 Other information**	 Not determined. >40 s (ISO 4 mm) No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
Forms explosive gas mixture with air.
Strong exothermic reaction with acids.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
No dangerous products of decomposition if used and stored according to specifications.

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SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**		
123-86-4 n-butyl acetate		
Oral	LD50	10,760 - 13,100 mg/kg (rat) (OECD 423 / IUCLID)
Dermal	LD50	> 14,100 mg/kg (rab) (OECD 402 / IUCLID)
Inhalative	LC50/4 h	23,4 mg/l (rat) (OECD 403)
Irritation of skin	Hautreizung	- (rab) (OECD 404)
Irritation of eyes	Augenreizung	- (rab) (OECD 405)
Sensitisation	Sensibilisierung	- (gen) (OECD 406)
	Sensibilisierung (Maximierungstest)	- (gen)
	Sensibilisierung [Mausohrschwellungstest (MEST)]	- (mou)
	Ames-Test	- (-) (Ames-Test)
67-63-0 propan-2-ol		
Oral	LD50	4570 mg/kg (rat)
Dermal	LD50	13400 mg/kg (rab)
Inhalative	LC50/4 h	30 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Repeated exposure may cause skin dryness or cracking.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
Vapours have narcotic effect.
No experimentally found toxicological data are available for this preparation.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**	
123-86-4 n-butyl acetate	
EC50/48 h	44 mg/l (DA)
EC50/72 h	647,7 mg/l (Desmodesmus subspicatus)
IC50/40 h	356 mg/l (Tetrahymena)
LC50/96 h	18 mg/l (Pimephales promelas) (OECD 203)
NOEC	200 mg/l (Desmodesmus subspicatus)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Danger to drinking water if even small quantities leak into the ground.
Do not allow product to reach ground water, water course or undiluted sewage system.

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- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number** - **ADR, IMDG, IATA**	 UN1866
- **14.2 UN proper shipping name** - **ADR** - **IMDG, IATA**	 1866 RESIN SOLUTION RESIN SOLUTION
- **14.3 Transport hazard class(es)** - **ADR** - **Class** - **Label**	 3 (F1) Flammable liquids. 3
- **IMDG, IATA** - **Class** - **Label**	 3 Flammable liquids. 3
- **14.4 Packing group** - **ADR, IMDG, IATA**	 II
- **14.5 Environmental hazards:**	Not applicable.
- **14.6 Special precautions for user** - **Danger code (Kemler):** - **EMS Number:**	Warning: Flammable liquids. 30 F-E,S-E
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
- **Transport/Additional information:**	
- **ADR** - **Limited quantities (LQ)** - **Transport category** - **Tunnel restriction code**	 5L 2 D/E

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- **UN "Model Regulation":** UN1866, RESIN SOLUTION, 3, II

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

R10 Flammable.
R11 Highly flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3