

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Version No: 0

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: VO-20 PSA LIQUID PATCH PUNCTURE SEALANT
Other Name(s):
Reach Registration No:
Recommended Use: Industrial OEM Tire Sealant
Supplier: Puncture Sealants Australia
Address: PO Box 90
Mermaid Beach Qld 4218
Australia
Telephone: +617 5526 6100
Fax: +617 5526 6300
Emergency Telephone: +614 3377 7888

2. HAZARDS IDENTIFICATION

GHS Classification of the substance or mixture: This substance / preparation is not a hazardous substance when classified in accordance with the GHS.
Dangerous Goods Classification: Non dangerous goods. Refer to Section 14 for further information.
Hazard Pictograms: None required.
Signal Word: None required.
Hazard Statements: None required.
Precautionary Statements: None required.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion (%)</u>
Glycerin #	56-81-5	30 – 60%
Propylene Glycol #	57-55-6	< 10%
Cellulose (paper fibre) #	9004-34-6	< 1%
Starch #	9005-25-8	< 1%
Ammonium Hydroxide #	1336-21-6	< 1%
Fumed Silica #	7631-86-9	< 1%
Ingredients determined to be non-hazardous		< 10%
Water	7732-18-5	Balance

Substance(s) with an Occupational Exposure Limit as provided in the Safe Work Australia document titled Workplace Exposure Standards for Airborne Contaminants dated 18 April 2013. Refer to Section 8 for further information.

4. FIRST AID MEASURES

Inhalation:	If the product is applied under pressure, then a fine mist or vapour may escape. This vapour will contain a number of ingredients for which exposure standards apply – refer Section 8. If inhaled, move the patient to fresh air. If symptoms of exposure persist, seek medical advice.
Skin contact:	Wipe off excess with tissue or towel. Remove contaminated clothing. Wash well with water. If irritation occurs, seek medical advice.
Eye contact:	Immediately hold eyes open and flush with water for at least 15 minutes. Use an eye wash station if available. If irritation persists, seek medical advice.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Give plenty of water to drink. If irritation persists, seek medical advice or contact the Poisons Information Centre (phone Australia 13 1126, NZ 0800 764 766).
First aid facilities:	Workcover recommended first aid facilities, including safety shower and eye wash station, appropriate to the size of the workplace.
Symptoms caused by exposure:	No acute, delayed or aggravated symptoms expected, unless the product is applied under pressure and a fine mist or vapour escapes. Symptoms of inhalation exposure may include coughing, wheezing and shortness of breath.
Advice to Doctor:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	Water spray or fog, foam, dry chemical powder, carbon dioxide.
Hazards from combustion products:	This mixture is not combustible under normal conditions. However, it will break down under fire conditions and the hydrocarbon component will burn. In a large fire, heating may produce toxic fumes containing carbon monoxide, carbon dioxide and oxides of nitrogen.
Personal protective equipment:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing.
Hazchem code:	None assigned.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:	Avoid accidents, clean up immediately. Wear personal protective equipment during clean-up.
Methods and materials for containment and clean up:	Contain spill to prevent contamination of drains / waterways. Use a non-flammable absorbent material such as sand or earth to contain spill. Collect the absorbed spill and seal in properly labelled containers for disposal in accordance with local regulations. Wash the area down with water to remove any residual material.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid skin and eye contact. Always wash hands after handling this product before smoking, eating, drinking or using the toilet.

Conditions for safe storage: Store in original containers in a cool (below 30°C), dry, well-ventilated area and out of direct sunlight. Store away from foodstuffs and foodstuff containers.

Storage incompatibility: None known.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards: The following substances have Occupational Exposure Limits as provided in the Safe Work Australia document titled Workplace Exposure Standards for Airborne Contaminants dated 18/04/2013:

		TLV-TWA	TLV-STEL
Glycerin *	56-81-5	10 mg/m ³	-
Propylene Glycol (vapour and particulates)	57-55-6	150 ppm (474 mg/m ³)	-
Starch *	9005-25-8	10 mg/m ³	-
Cellulose (paper fibre) *	9004-34-6	10 mg/m ³	-
Fumed silica (respirable dust)	7631-86-9	2 mg/m ³	-

* This value is for inhalable dust containing no asbestos and < 1% crystalline silica. Note that this substance (VO-20) contains no asbestos or crystalline silica.

Biological limit values: Not available.

Engineering controls: Use in well ventilated areas.

Personal protective equipment: Eyes: Wear eye protection.
Hands: Wear suitable gloves.
Respiratory: Wear a respirator meeting the requirements of AS 1715 / AS 1716 if exposure exceeds the limits provided above.
Other: Always wash hands after handling this product before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Slightly viscous opaque green liquid containing suspended particles

Odour: Faint sweet odour

pH (neat): 9.5

Vapour Pressure (kPa): Not available

Boiling Point (°C): Approximately 110°C (water)

Melting Point (°C): Not available

Solubility in Water: Soluble

Specific Gravity: Approximately 1.03 @ 20°C

Flash Point (°C): Not applicable

Flammability Limits: Not flammable

Ignition Temperature	Not available
Specific Heat Value	Not available
VOC Content	< 1%
Evaporation Rate	Not available
Viscosity	50 cps (Brookfield LVT Spindle 1 @ 60 rpm) @ 20°C 100 cps (Brookfield LVT Spindle 1 @ 12 rpm) @ 20°C
Volatile Component	Not available
Saturated Vapour Pressure	Not available
Decomposition Temperature	Not available

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions.
Conditions to avoid:	Excessive heat and direct sunlight.
Incompatible materials:	Strong oxidising agents and acids.
Hazardous decomposition products:	Thermal degradation may produce carbon monoxide, carbon dioxide, sulfur dioxide and oxides of nitrogen.
Hazardous reactions:	None known.

11. TOXICOLOGICAL INFORMATION

Potential health effects:

Acute

Swallowed:	May cause irritation if directly introduced to the mouth, throat and stomach. Symptoms may include abdominal pain, nausea, vomiting and diarrhoea.
Oral LD50 (rat):	Not available.
Eye:	Irritating to eyes.
Skin:	Repeated or prolonged skin contact may lead to irritation.
Inhaled:	Inhalation may lead to irritation of the respiratory system.
<u>Chronic</u>	No information available.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Waste disposal:	Dispose of by incineration or burial in an approved landfill in accordance with Commonwealth, State and Local Government regulations.
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14. TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number: None
Proper Shipping Name: None
Dangerous Goods Class: None
Subsidiary Risk: None
Pack Group: None
Hazchem Code: None
Marine Pollutant: No
Special precautions for user: None

15. REGULATORY INFORMATION

Poisons Schedule: None.

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

The surfactant contained in this product is readily biodegradable according to AS 4351.

For Emergencies: Australian Poisons Information Centre – phone 13 1126
New Zealand Poisons Information Centre – phone 0800 764 766

Prepared By: Greg Bryant

Issue Date: 12/01/2015

Revision No: 0

Supersedes: -

Reason for Revision: New product

This SDS summarises to our best knowledge the health and safety hazard information for the product and general guidance on how to safely handle the product in the workplace. Each user must, prior to usage, assess and control the risks arising from its use of the product in the workplace, including in conjunction with other products. This information is presented in good faith and is based on current data considered to be correct to the best of our knowledge.

End of document.