

## Section 1 – Material & Supplier Details

### Product Name – DEV 16

Product Name:	DEV 16
Other Means of Identification:	Mixture
Recommended Use of the Chemical and Restriction on Use:	PVA / emulsion adhesive cleaner.
Details of Manufacturer/Importer:	Packaging Adhesive Equipment Consultants & Solutions Pty Ltd
Address:	Unit 9, 12 Billabong Street, Stafford, QLD 4053, Australia
Telephone:	+61 7 3352 3909
Emergency Telephone:	Poison Information Centre – 13 11 26

## Section 2 – Hazards Identification

Hazardous Nature: Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.  
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



Corrosion

Eye Damage 1 H318 Causes serious eye damage.



Skin Corrosion/Irritation 2 H315 Causes skin irritation.

Signal Word: Danger  
Hazard Statements: H315 Causes skin irritation.  
H318 Causes serious eye damage.

### Precautionary Statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash thoroughly after handling.
P280	Wear eye protection / face protection.
P302+P352 IF ON SKIN:	Wash with plenty of water.
P305+P351+P338 IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.

## Section 3 – Composition and Information on Ingredients

Chemical Characterization: Mixtures  
Description: Mixture of substances listed below with nonhazardous additions.

## Section 3 – Composition and Information on Ingredients (cont)

Product Name – **DEV 16**

Hazardous Components:		
CAS: 6834-92-0	Disodium metasilicate ⚠ Skin Corrosion/Irritation 1A, H314; ⚠ STOT SE 3, H335	1-10%
CAS: 68439-46-3	Alcohols, C9-11, ethoxylated ⚠ Eye Damage 1, H318; ⚠ Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315	1-10%
CAS: 139-33-3	Disodium ethylene diamine tetraacetate ⚠ Acute Toxicity (Inhalation) 4, H332	1-10%
CAS: 72283-31-9	Poly(oxy-1,2-ethanediyl), .alpha.-phenyl-.omega.-hydroxy-, phosphate, potassium salt ⚠ Skin Corrosion/Irritation 2, H315; Eye Irritation 2A, H319	1-5%

## Section 4 – First Aid Measures

Inhalation:	If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.
Skin Contact:	In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if irritation occurs and persists.
Eye Contact:	In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek immediate medical attention.
Ingestion:	If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give 1-2 glasses of water (or milk) to drink in small sips. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Symptoms Caused by Exposure:	
Inhalation:	May cause respiratory irritation.
Skin Contact:	Causes skin irritation.
Eye Contact:	Causes serious eye damage, burning and tearing.
Ingestion:	May cause gastrointestinal irritation, nausea, diarrhoea, and vomiting.

## Section 5 – Fire Fighting Measures

Suitable Extinguishing Media:  
Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:  
No hazardous decomposition products known.  
Product is not flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.  
Minimise run-off from fire fighting entering drains or water courses.

Special Protective Equipment and Precautions for Fire Fighters:  
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:  
Wear protective equipment. Keep unprotected persons away. Take care as spill may cause a slip hazard.  
Ensure adequate ventilation.

Environmental Precautions:  
In the event of a major spill, prevent spillage from entering drains or water courses.

## Section 6 – Accidental Release Measures (Cont.)      Product Name – **DEV 16**

### Methods and Materials for Containment and Cleaning Up:

Wipe up small spills with a paper towel or dry rag. Clean up all spills immediately, since spilled materials, even in small quantities, may present a slip hazard. Absorb large spills with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Decontaminate spill area with water and detergents.

## Section 7 – Handling and Storage

### Precaution for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact. Food, beverages, and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

### Conditions for Safe Storage:

Store in a cool, dry and well-ventilated area. Keep container tightly closed when not in use. Keep away from strong oxidising agents, strong acids, aluminium, tin, zinc, and their alloys.

## Section 8 – Exposure Controls and Personal Protection

### Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### Engineering Controls:

Natural ventilation should be adequate under normal use conditions.

### Respiratory Protection:

Respiratory protection is not required under normal use conditions.

### Skin Protection:

Protective gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered. Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

### Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## Section 9 – Physical and Chemical Properties

### Appearance:

Form:	Liquid
Colour:	Red to pink
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	ca. 11.5
Melting point/freezing point:	<0 °C
Initial Boiling Point/Boiling Range:	ca. 100 °C
Flash Point:	Does not flash up to boiling
Flammability (solid, gas):	Not applicable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information

## Section 9 – Physical and Chemical Properties (cont) Product Name – DEV 16

Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density at 20 °C:	1.09
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Soluble
Partition Coefficient (n-octanol/water):	No information available

## Section 10 – Stability and Reactivity

Possibility of Hazardous Reactions:	No dangerous reactions known under conditions of normal use.
Chemical Stability:	Stable at ambient temperature and under normal conditions of storage and use.
Conditions to Avoid:	None known.
Incompatible Materials:	Strong oxidising agents, strong acids, aluminium, tin, zinc and their alloys.
Hazardous Decomposition Products:	No hazardous decomposition products known.

## Section 11 – Toxicological Information

### Toxicity:

<b>LD50/LC50 Values:</b>		
<b>CAS: 6834-92-0 Disodium metasilicate</b>		
Oral	LD50	1,153 mg/kg (Rattus norvegicus (rat))
<b>CAS: 68439-46-3 Alcohols, C9-11, ethoxylated</b>		
Oral	LD50	1,378 mg/kg (Rattus norvegicus (rat))
	LD50	>2,000 mg/kg (Oryctolagus cuniculus (rabbit))

### Acute Health Effects

Inhalation:	May cause respiratory irritation.
Skin:	Causes skin irritation.
Eye:	Causes serious eye damage, burning and tearing.
Ingestion:	May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

Skin Corrosion / Irritation: Causes skin irritation.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: Based on classification principles, the classification criteria are not met.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

## Section 11 – Toxicological Information (Cont.)      Product Name – DEV 16

Specific Target Organ Toxicity (STOT) - Single Exposure:  
Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:  
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

## Section 12 – Ecological Information

Ecotoxicity:

Aquatic toxicity:

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<b>CAS: 6834-92-0 Disodium metasilicate</b>	
EC50/48 h	1,700 mg/l (Daphnia magna (water flea))
EC50/72 h	207 mg/l (Algae)
EC50/96 h	216 mg/l (Daphnia magna (water flea))
<b>CAS: 68439-46-3 Alcohols, C9-11, ethoxylated</b>	
EC50	2.5 mg/l (Daphnia magna (water flea))
LC50	5.7 mg/l (Oncorhynchus mykiss (rainbow trout))

Persistence and Degradability:	No data available on finished product.
Bioaccumulative Potential:	No data available on finished product.
Mobility in Soil:	No data available on finished product.
Other adverse effects:	No further relevant information available.

## Section 13 – Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

## Section 14 – Transport Information

UN Number	Not regulated
Proper Shipping Name	Not regulated
Dangerous Goods Class	Not regulated
Packing Group:	Not regulated

## Section 15 – Regulatory Information

Product Name – **DEV 16**

### Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:  
Poisons Schedule: 5

## Section 16 – Other Information

Date of Preparation or Last Revision: 18.05.2023

Prepared by: MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

### Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Eye Damage 1: Serious eye damage/eye irritation – Category 1

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

### Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020”.

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