

SDS Polyvinyl Alcohol

Date of Issue: 08/07/2019

Expiry: 01/08/2024

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Company Name **ECP Limited**  
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<b>Product</b>	Polyvinyl Alcohol			<b>Code</b>	41208, 5315, PL0321	
<b>CAS#</b>	<b>HSNO#</b>	<b>UN #</b>	<b>DG Class/es</b>	<b>Packing group #</b>	<b>Tracking?</b>	<b>Handlers Certificate?</b>
9002-89-5	NA	NA	NA	NA	No	No

**Recommended use:** Laboratory Investigations

**2. Hazards identification**

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 Label elements

Not a hazardous substance or mixture.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**3. Composition/information on ingredients**

Formula: [-CH<sub>2</sub>CHOH-]<sub>n</sub>

CAS-No.: 9002-89-5

No components need to be disclosed according to the applicable regulations.

**4. First aid measures**

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**5. Firefighting measures**

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

## **6. Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

### 6.2 Environmental precautions

No special environmental precautions required.

### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## **7. Handling and storage**

### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## **8. Exposure controls/personal protection**

### 8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required.

Control of environmental exposure

No special environmental precautions required.

## **9. Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

#### a) Appearance

Form: crystalline

Colour: colourless

#### b) Melting point/freezing point

200 °C

#### c) Relative density

1,269 g/cm<sup>3</sup>

## **10. Stability and reactivity**

### 10.1 Chemical stability

Stable under recommended storage conditions.

### 10.2 Incompatible materials

Strong oxidizing agents

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - > 20.000 mg/kg

Remarks: Behavioural: Altered sleep time (including change in righting reflex).

Behavioural: Somnolence (general depressed activity).

Behavioural: Muscle weakness.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## 12. Ecological information

### 12.1 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 13. Disposal considerations

### 13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

## 14. Transport Information Table

		<b>ADR/RID – European packaging certification</b>	<b>IMDG International Maritime Dangerous Goods Code</b>	<b>IATA – DGR International Air Travel Association – Dangerous Goods Regulations</b>
<b>14.1</b>	<b>UN Number</b>	-	-	-
<b>14.2</b>	<b>UN Proper Shipping name</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.3</b>	<b>Transport Hazard Class</b>	-	-	-
<b>14.4</b>	<b>Packaging group</b>	-	-	-
<b>14.5</b>	<b>Environmental Hazards</b>	-	-	-
<b>14.6</b>	<b>Special precautions for user</b>	None		

## 15. Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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