

# MATERIAL SAFETY DATA SHEET -----

## Cascamite

### 1. PRODUCT & COMPANY IDENTIFICATION

Polyvine Ltd  
Burma Road  
Severn Distribution Park  
Sharpness, Berkeley, Glos GL13 9UQ  
Telephone 0845 017 1671  
Fax 0845 017 1670

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

2.1: Chemical characterisation: Urea Formaldehyde Resin

2.2: Ingredients contains:

CAS/Registry No	Material Description	% Content
50-00-0	FORMALDEHYDE	<0.1
	UREA-FORMALDEHYDE POLYMER	90-96
	INORGANIC SALT	1-4

### 3. POTENTIAL HAZARDS

3.1: Main hazards

Not regarded as a health hazard under current Legislation>

### 4. FIRST AID MEASURES

4.1: Eye contact: Immediately flush with water for at least 15 minutes. Eyelids should be held apart during irrigation to ensure water contacts the entire surface of eyes and lids. Seek immediate medical attention.

4.2: Skin contact : Wash affected area with soap and water for 15 minutes. Remove contaminated clothing. In cases of prolonged irritation, seek medical advise.

4.3: Inhalation : If inhalation causes adverse effects, remove to fresh air. If problem persists, seek medical advise

4.4: Ingestion : If swallowed, give large volumes of milk. Do not induce vomiting. Obtain medical attention.

### 5. FIRE FIGHTING MEASURES

5.1: Extinguishing media :

Vaporizing liquid type, powder, foam or CO2, Water spray fog or mist. Very low risk of fire.

5.2: Hazardous Decomposition Products

High temperatures generate carbon dioxide (CO2), carbon monoxide (CO)

### 6 ACCIDENTAL RELEASE MEASURES

6: Major spills : Shovel into suitable dry containers and re-use if possible.  
Flush the area with water. Ensure residue does not gain access to watercourses.

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## 7 HANDLING & STORAGE

7.1 Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Use in well ventilated areas and avoid breathing of dust. Use an approved respirator if air is contaminated above acceptable levels.

When blended with water, the concentration of free formaldehyde of the reconstituted resin will increase to a value of 1 to 2 percent (w/w).

The reconstituted product must therefore be considered to be Harmful for Supply, with the following risk phrases ' Possible risk of irreversible effect and May cause sensitisation by skin contact.

Safety phrases as used in Section 15 should also be used.

Care must be taken when opening containers due to a small build up of formaldehyde gas.

7.2 Store away from food and other ingredients.

Store in cool, dry conditions.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure controls.

ENGINEERING CONTROLS: The following exposure control techniques may be used to effectively minimise employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programmes are adequate.

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and airflow patterns should be provided to keep air contaminant concentrations below acceptable levels. Refer to section 2 Composition/Information on Ingredients which details specific exposure limits where applicable.

8.2. Personal Protection : Wear synthetic protective clothing (aprons and boots) if contact is likely.

Where air contamination can exceed acceptable criteria, use approved respiratory protection equipment. Respirators should be chosen based upon the form and concentration of the air contaminants. Use goggles and face shield if contact is likely. Wear gloves as required to prevent skin contact.

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## 9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Form : Powder, dust.

9.2 Colour : White

Further information:

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## 10. STABILITY & REACTIVITY

10.1 Avoid contact with acids

10.2 Hazardous Decomposition: High temperatures generate carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO).

10.3 Materials to be avoided: Acids.

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## 11. INFORMATION ON TOXICITY

Toxic Dose1- LD50 > 5000mg/kg (oralrat)

Toxic Conc – LC50 No available data

This chemical has good warning properties. **Irritant of eyes and mucous membranes.**

Acute and Chronic Health Hazards – Mild dermatitis and allergic skin rash

In the EEC formaldehyde is classified as a Category 3 Carcinogen. This means that formaldehyde is not known to be carcinogenic to man (Category 1), or regarded to be carcinogenic to man (Category 2). Although at high concentrations, formaldehyde has been shown to cause cancer in rats, there is no convincing evidence that the substance induces cancer in man. For this reason formaldehyde has been placed in the lowest category 3.

Formaldehyde is classified as a Category 3 carcinogen (EEC)

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## 12. INFORMATION ON ECOLOGICAL EFFECTS

Ecological effects information : Urea-Formaldehyde polymer is slowly but not readily biodegradable. TOC removal 28 days 61%. BOD28;0.62 mg/mg substance. Nitrification 28 days; 0.45 mg NO<sub>3</sub>-N/mg substance. Formaldehyde; No bioconcentration. Biodegradation; BOD5/COD; 0.68 (Readily biodegradable)

Other information : Do not discharge product into drains and sewers.  
Urea formaldehyde polymer – very low fish toxicity, no inhibition of activated sludge at 140 mg/l suspended solids.

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## 13. DISPOSAL

Disposal : Dispose according to local regulations.

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## 14. TRANSPORT

**No transport warning sign required.**

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## 15. REGULATIONS

15.1 Label Information: Not classified

15.2 Risk Phrases – Not classified.

15.3 Safety phrases        S22 Do not breathe dust  
                                     S24 Avoid contact with skin  
                                     S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
                                     S36/37/39 Wear suitable protective clothing, gloves and eye/face protection  
                                     S44 If you feel unwell, seek medical advice(show label if possible)

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## 16. OTHER INFORMATION

The information provided in this Safety Data Sheet is based on data provided by sources considered to be reliable. This data is intended to enable safety assessment to be made and should not be construed as guaranteeing specific properties. Users are recommended to consult technical information sheets for advice on specific applications.

Further information may be obtained from:

<p><b>POLYVINE LIMITED</b> Severn Distribution Park Sharpness, Berkeley, Gloucestershire. GL13 9UQ United Kingdom</p>
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