

ALEC TIRANTI LIMITED

TOOLS, MATERIALS & EQUIPMENT FOR MODELLING, CARVING, SCULPTURE

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Material Safety Data Sheet

PVA BLUE / CLEAR

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1 IDENTIFICATION of PREPARATION

Material / Trade name
Intended Use

PVA Release Agent.

2 COMPOSITION / INFORMATION ON INGREDIENTS

Name: Ethanol:- CAS No64-17-5 Contents:-40-50%
Methanol:- CAS No 67-56-1 Contents:-1-5% Health (class) T. Risk:-R23/25

3 HAZARD IDENTIFICATION

Highly Flammable.

4 FIRST AID MEASURES

Inhalation: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.
Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin Contact: Remove affected person from source of contamination. Promptly remove clothing if soaked through and wash as above.
Ingestion: Never make an unconscious person Vomit or drink fluids. Do Not induce vomiting. Get medical attention immediately.

5 FIRE FIGHTING MEASURES

Suitable Extinguishers: Fire can be extinguished using water spray, fog, mist, foam, dry chemicals, sand dolomite etc.
Unusual fire and explosion hazards: May explode in a fire. May travel considerable distance to source of ignition.
Hazardous Decomposition: Toxic gases / vapours / fumes of: Carbon dioxide (CO₂). Carbon monoxide (CO)
Special Procedures: Keep run off water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water from the side until well after the fire is out. Move container from fire area if it can be done without risk. If risk of water pollution occurs notify appropriate authorities.

6 ACCIDENTAL RELEASE MEASURES

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Keep combustibles away from spilled material. Provide ventilation and confine spill. Do not allow run off to sewer. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. Clean up personnel should use respiratory and or liquid contact protection. Inform authorities if large amounts are involved.

7 HANDLING & STORAGE

Handling: Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Wear full protective clothing for prolonged exposure and or high concentrations.
Storage: Keep in a cool dry ventilated storage and closed containers. Flammable liquid store.

8 EXPOSURE CONTROLS / PERSONAL

Maximum Exposure Limits and Occupational Exposure Limits are taken from the publication HSE 40/94 Occupational Exposure Limits 1994 or later issue, but Limits should be checked in the latest issue.

Ingredient Name.	CAS No	STD	LT EXP (8hr)	ST EXP (15min)
Ethanol	64-17-5	OES	1000.0ppm	No std.
Methanol	67-56-1	OES	200.00ppm(Sk)	250.00ppm(Sk)

Protective equipment:-
Ventilation. Provide adequate general and local exhaust ventilation.
Respirators. No specific recommendation made, but respiratory protection must be used if the general level exceeds the OEL (OEL)
Protective gloves. Use suitable protective gloves made of rubber or plastic.
Eye protection. Wear approved chemical safety goggles where eye exposure is reasonably probable.
Other protection. Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wear appropriate clothing to prevent any possibility of skin contact.

9 PHYSICAL & CHEMICAL PROPERTIES

Appearance: Liquid Clear or Blue Clear.
Odour: Alcohol
Specific gravity: 0.75 - 1.10 @ 20°C
Flash Point: (°C) <18
Solubility: Soluble in water & Alcohol
Auto Ignition Temp: (°C) 365
Flammability limit (upper %): 20
Flash point method: CC (Closed cup)
Flammability limit (lower %): 3.50

10 STABILITY & REACTIVITY

Hazardous Decomposition: Toxic gases/vapours/fumes of : Carbon Dioxide (CO₂). Carbon monoxide (CO)
Materials to avoid: Strong oxidising agents
Conditions to avoid: Avoid heat sparks flames and other sources of ignition.

11 TOXICOLOGICAL INFORMATION

Health warnings: Vapour from this chemical can be hazardous when inhaled. CNS depressant, mild dermatitis, allergic skin rash. Defatting, drying and cracking of skin. Liver and or kidney damage.
Medical symptoms: Nausea vomiting. Gastrointestinal symptoms including upset stomach. Central nervous system depression. Mild intoxication (including fatigue, lassitude, irritability, headache, nausea).
Medical considerations: Liver and or kidney problems.

12 ECOLOGICAL INFORMATION

This product is biodegradable. Slightly toxic to fish on a static basis.

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local Authority requirements. Absorb in vermiculite or dry sand, dispose in licensed special waste.

14 TRANSPORT INFORMATION

Label: Flammable liquid symbol

Road.
Un No. 1866 ADR Class No. 3
ADR Label No. 3 HAZCHEM Code. 3Y

Rail.
Rail transport class No. 3

Sea.
Sea transport class No. 3.3
Marine pollutant

Air.
Air transport class No. 3

15 REGULATORY INFORMATION

Label for supply. Highly Flammable

The information in this safety sheet does not constitute the user's own assessment of workplace risks as are required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

Risk phrases:-
R11 Highly flammable
Safety phrases:-
S9 Keep container in a well ventilated place.
S16 Keep away from sources of ignition. No Smoking.
S23 Do not breathe gas/fumes/vapour/spray.
S24 Avoid contact with skin.
S37 Wear suitable gloves
S51 Use only in well ventilated areas.

16 OTHER INFORMATION

The information contained in this Safety Data Sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations.

This product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use are outside the suppliers control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of material properties, of technical performance or suitability for particular applications.

Further information can be found in:

The Control of Substances Hazardous to Health Regulations 1988 (SI 1988:1657)
The Manual Handling Operations Regulations 1992 (SI 1992 : 2793)
The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992 : 2839)
The publication HSE EH40/94 Occupational Exposure Limits 1994 or latest issue.