

Material Safety Data Sheet

VINAMOLD®

1. MATERIAL IDENTIFICATION AND ORIGIN

Trade Name:

Vinamold® Reusable Flexible Mould Compound

2. COMPOSITION/INFORMATION ON INGREDIENTS

Description:	Chlorinated Paraffin	Symbol:	N
EINICS No:	287-477-0	W/N%:	100%
CAS No:	085535-85-9	Risk Phrase:	R50, R53
TS CA:	063449-39-8/061788-76-9		
Description:	Diisodecyl Phthalate	Symbol:	
EINICS No:	271-091-4	W/N%:	
CAS No:	68515-49-1	Risk Phrase:	
Description:	Dioctyl Phthalate	Symbol:	
EINICS No:	204-211-0	W/N%:	100%
CAS No:	117-81-7	Risk Phrase:	T, R60, R61
Description:	Di-Iso Nonyl Phthalate	Symbol:	
EINICS No:	215-279-6	W/N%:	25%
CAS No:	1317-65-3	Risk Phrase:	-
Description:	Plasticiser	Symbol:	
EINICS No:	305-962-8	W/N%:	
CAS No:	95370-96-0	Risk Phrase:	
Description:	Polyvinyl Chloride (PVC)	Symbol:	
EINICS No:		W/N%:	>99.5%
CAS No:	9002-86-2	Risk Phrase:	
Description:	Chloroethylene (VCM)	Symbol:	F + T
EINICS No:	-	W/N%:	<5 ppm
CAS No:	75-01-4	Risk Phrase:	R45, R12

3. HAZARDS IDENTIFICATION

- As supplied any harmful effects of the constituents of the compound are unlikely to be realised with normal handling.
- Misuse of the compound or prolonged heating at above the recommended processing temperatures could result in the release of toxic and corrosive vapours.

4. FIRST AID MEASURES

INHALATION

- In the case of inhalation of noxious fumes as a result of overheating, remove patient to fresh air. If patient shows signs of distress then seek immediate medical attention. Apply Artificial respiration; administer oxygen until medical help arrives.

SKIN CONTACT

- The melting of Vinamold® requires temperatures of 150°C and above which will result in second degree burns unless prompt action is taken.

Do not attempt to remove the molten material from the affected area. Cool the area with cold running water for at least 15 minutes to remove the latent heat or apply ice pack. Cover with cling film or a cold damp dressing and seek medical attention.

EYE CONTACT

- If eye contact with molten material takes place, then seek immediate medical attention.

If eye contact with fumes from overheated material takes place then irrigate with eye wash or tepid water. If irrigation persists seek medical attention.

INGESTION

- Do not induce vomiting. Seek medical attention if patient shows signs of distress.

MEDICAL INFORMATION

- The thermal decomposition of Vinamold® will result in the evolution of hydrochloric acid gas which forms hydrochloric acid when in contact with water.
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5. FIRE FIGHTING MEASURES

- If fire takes place in melting vessel, first isolate electrical supply to unit and place fire blanket over vessel. Smother with carbon dioxide and cool with water mist or foam.
 - Do not add water directly to molten compound as explosive ejection of the material may occur due to the generation of steam.
 - For fire in storage area use dry powder, water mist, carbon dioxide or foam extinguishers. Run off should not be allowed to enter drains as it may contain hydrochloric acid.
 - In a fire, acid resistant protective clothing and self contained breathing apparatus should be worn.
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6. ACCIDENTAL RELEASE

- The material as supplied is solid, contaminated material is best disposed of in an approved landfill facility.
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7. HANDLING AND STORAGE

- The material is supplied in slab form. Bags should not be stacked more than five high and in such a way as to form a bond between successive layers. Palletted material as supplied should not be stacked more than two pallets high.
- The material should be stored at a temperature of between 10°C and 40°C above which the slabs may bond together. The storage temperature should not at any time exceed 60°C.
- The melting cycle should be kept as short as possible and the temperature of the

melting vessel should not exceed 170°C (338°F) after pouring, exposed areas of molten material should be guarded and signs should be displayed to indicate that burns can occur from contact with the hot material.

- Ventilation of the melting and pouring area must be sufficient to keep exposure to the plasticiser vapour below legislated limits (see section 8 — Exposure Control).

8. EXPOSURE CONTROL

- Suitable protective clothing should be worn when melting and pouring Vinamold®. It may be considered desirable to wear face protection when pouring Vinamold®.
- Decomposition of Vinamold® due to overheating in the melting vessel or fire will result in the evolution of hydrogen chloride gas, which has a Short Term Exposure Limit (STEL) of 5ppm, 7mg/cub.mt (15 mins TWA).
- A fire will result in the evolution of carbon monoxide which has an OES STEL of 300ppm, 300mg/cub.mt (15 mins TWA).

9. PHYSICAL PROPERTIES

Form:	Solid slab material
Density:	Approx 1.2 SG
Odour:	Slight
Decomposition:	Will occur above 190°C
Solubility:	Insoluble in water (some leaching will occur with prolonged immersion).

10. STABILITY AND REACTIVITY

- Prolonged exposure to high temperature will result in thermal decomposition.
- Hazardous decomposition products are Carbon Monoxide and Hydrogen Chloride.

11. TOXICOLOGICAL INFORMATION

N/A

12. ECOLOGICAL INFORMATION

- PVC compounds are not readily decomposed by weathering or micro organisms.
- PVC compounds are not known to be water endangering.

13. DISPOSAL INFORMATION

- May be disposed of by landfill in accordance with local regulations.
- Incineration is possible but only under approved, controlled conditions.

14. TRANSPORT CONSIDERATIONS

- Non hazardous — no special arrangements required.

15. REGULATORY INFORMATION

- As supplied the material is not hazardous to health and special labelling is not required.

16. OTHER INFORMATION

The information provided relates only to the product or material specified and does not apply if used in combination with other materials. The data sheet gives information to the best of Extruflex UK Limited's knowledge and awareness as of its issue date. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied that the information provided is suitable and complete enough for this material's particular use.