

Product, identification and emergency contact

Product: BePlas PVC Extrusions

Supplier: Beplas Hygienic Walls and Ceilings Ltd, Helix Business Park, New Bridge Road, Ellesmere Port, Wirral CH65 4LR. Tel 0800 413 758.

Composition / Information on ingredients

Ingredient	CAS nr.	W/W%	Symbol	R-phrases
Lead compounds	-	<5.0%	T	R20/22, R33, R61, R62

Hazard identification

Whilst this compound contains hazardous ingredients, they are safely bound up in the solid phase and are not freely available. Harmful effects are therefore unlikely in the condition of normal use. Incorrect processing may lead to thermal decomposition which will evolve both toxic and corrosive gases.

First aid measures

Inhalation: If thermal decomposition gases have been inhaled, seek medical attention immediately. Remove patient from exposure, keep warm and rest. Administer oxygen if necessary. Apply artificial respiration if breathing has stopped or shows signs of failing.

Skin: Molten material can cause severe burns. Do not attempt to peel molten polymer from the skin. Cool the affected part with clean, cold water. Seek medical attention immediately.

Eyes: Irrigate with eyewash solution and clean water, holding the eyelids apart. Seek medical attention.

Ingestion: Do not induce vomiting. Wash out mouth with water and give 200-300mls of water to drink. Seek medical attention if ill effects occur.

Further: Fully inform doctor or hospital of the nature of the product being handled.

Fire fighting measures

Remove uninvolved personnel from the vicinity. Call the fire brigade. Use any of the recommended available fire extinguishers (check for special circumstances, e.g. live electrical equipment that may restrict choice of extinguishers). For major fire situations, advise Fire Officer to wear acid resistant protective clothing, full face masks and breathing equipment. Combustion or thermal decomposition will evolve toxic and corrosive gases.

Accidental release measures

Collect by vacuuming or sweeping. Transfer to suitable receptacle for disposal or reclamation.

Handling and storage

Handling: Solid granules can present a slip hazard if spilled. Levels in the atmosphere should be controlled in compliance with occupational exposure levels. Employ good housekeeping practices, especially in the vicinity of electrical equipment and switchgear. Observe good industrial hygiene practice.

Process hazards: Avoid inhalation of vapours during high temperature processing or if decomposition has occurred. Provide adequate ventilation in the process area. Do not eat, drink or smoke whilst using. Excessively high processing temperatures may cause thermal decomposition.

Storage: Keep packaging closed, if possible, in a cool, adequately ventilated area. Keep away from sources of ignition or combustion. Keep away from food, drink and animal foodstuffs.

Exposure controls and personal protection

Personal protection: Provide adequate ventilation at all times to keep vapour levels below published OES levels. Observe good industrial hygiene practice. Provide suitable protective clothing and ensure use where appropriate e.g. protective gloves, safety goggles, overalls etc.

Decomposition products:

OES Hydrogen Chloride -STEL 5ppm, 7mg/m³ (15 mins TWA)
OES Carbon Monoxide -STEL 300ppm, 300mg/m³ (15 mins TWA)
OES = Occupational Exposure Standard
STEL = Short Term Exposure Limit
TWA = Time Weighted Average

Physical and chemical properties

Form: Solid

Odour: Slight, characteristic of PVCp granulate

Density: See product data sheet

Decomposition Temp: Decomposition is dependent on both time and temperature but will occur with increasing rapidity above 150°C

Solubility (water): Insoluble

Stability and reactivity

General Information: If stored and handled in accordance with standard good practice, there are unlikely to be any harmful effects.

Hazardous Decomposition Products: Thermal decomposition will evolve toxic and corrosive gases of Hydrogen Chloride and Carbon Monoxide. Other organic decomposition products will also be evolved but will not normally present an additional hazard.

Reactivity: PVC compounds are relatively inert but contact with strong oxidising agents and concentrated acids above 60°C should be avoided. Avoid contact with Acetal Resin.

Toxicological Information

Skin Contact: PVC compounds are unlikely to cause skin irritation.

Eye Contact: PVC compounds are unlikely to cause eye irritation.

This product contains lead, which if absorbed into the body may cause harm to the unborn child and possible risk of impaired fertility. Although in this product it is safely bound up in the solid phase and not freely available. Lead is harmful if swallowed and there is danger of long term cumulative effects. Therefore in the case of accidents, or if you feel unwell, seek medical advice immediately (show this data sheet where possible).

Ecological Information

PVC compositions in the fully gelled form are considered to be ecologically benign. They are not readily decomposed by weathering or micro organisms.

Disposal considerations

If possible recycle. Otherwise disposal should be in accordance with local, state or national legislation. Disposal by burial in an authorised landfill site or by incineration under approved controlled conditions is acceptable. Combustion will evolve toxic gases.

Transport information

Not classified as hazardous for transport.

Regulatory information

This preparation is classified under CHIP 96 regulations. (Chemical Hazard Information and Packaging). This PVC preparation does not normally present a danger to human health by inhalation, ingestion or skin contact, in the form in which it is supplied. Such preparations do not require a label under regulation 9 of CHIP 96.

For reference purposes only this preparation is classified as:

Risk Phrases:

R20/22	Harmful by inhalation and if swallowed.
R33	Danger of cumulative effects.
R61	May cause harm to the unborn child.
R62	Possible risk of impaired fertility.
R63	Possible risk of harm to the unborn child.

Safety Phrases:

S20/21	When using do not eat, drink or smoke.
S36/37	Wear suitable protective clothing and gloves.
S45	In the case of an accident or if you feel unwell, seek medical attention immediately.

Other information

This data sheet was prepared in accordance with Directive 91/155/EEC. This safety sheet has been prepared by Be-plas on the basis of its best knowledge and on information available at the date of issue. It does not constitute a specification. Be-plas gives no guarantee and disclaims responsibility for individual items being incomplete or erroneous. Be-plas gives no guarantee that every possible safety measure is contained herein, nor gives any guarantee that additional safety precautions may not be required under specific or exceptional circumstances. It is the responsibility of the user to observe all local or national safety regulations and in no case can the products of Be-plas accept any responsibility for failure to observe such regulations. Freedom from patent rights must not be assumed.