

Section 1: Company identification:

Supplier: Obex Protection Ltd
Address: Obex Protection Ltd
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Section 2: Composition/ Information on Ingredients

Flexible polyurethane foams are produced by the reaction between a high molecular weight polyol and toluene diisocyanate (TDI) and/or diphenyl methane diisocyanate (MDI) in the presence of catalysts, surfactants and blowing agents, resulting in a flexible cellular product having a predominantly open celled structure. VITASEAL foam is produced by the post treatment of the polyurethane foam with a water based latex compound. This compound contains a small loading of an inert powder filler, of low oral toxicity. OBEX CORTEX Foam Tape is supplied in rolls.

Section 3: Hazards Identification

The basic polyurethane polymer and therefore polyurethane impregnates are considered to be of low toxicity and should present no hazard from skin contact or by ingestion. OBEX CORTEX Foam Tapes contain additives of low oral toxicity and should present no hazard by skin contact or by ingestion.

Section 4: First Aid Measures

Skin contact: If persistent irritation by dust occurs, refer to physician. Treat symptomatically.

Ingestion: Refer to physician. Product is not considered toxic.

Eye contact (dust or solid): Irrigate eye for at least 15 minutes.

Inhalation (dust): Remove to fresh air. Refer to physician if breathing is difficult.

Section 5: Fire Fighting Measures

Extinguishing media
Extinguishing media to avoid
Protective equipment
Unusual fire hazards

OBEX CORTEX Foam Tapes are highly flame retardant and even large ignition sources will not ignite them.

However, in a fire situation, although OBEX CORTEX Foam Tapes will not promote the spread of flame, they will, at high temperatures, release smoke and toxic gases. A high standard of general fire precautions, including adequate means of escape, are therefore most important.

Systems for detecting fire and/or initiating fire extinguishing appliances, e.g. sprinklers, the training of employees in the use of fire extinguishers and hose reels and the regular practise of fire drills will contribute to life safety and minimising fire damage. It is vitally important that employees are instructed on the action to take in the case of fire.

Section 6: Accidental Release Measures

No special measures are required.

Section 7: Handling and Storage

No special precautions. Storage at normal temperature and humidity is recommended. In areas where OBEX CORTEX Foam Tapes are stored with flammable materials a strict no-smoking policy should be applied.

Section 8: Exposure Controls/Personal Protection

It is not anticipated that any skin irritation when handling OBEX CORTEX Foam Tapes will occur.

Equipment such as band-knives, slitters, etc should have sharp, smooth edge blades for cutting foam. Saw-tooth type blades will produce dust. Cutting with smooth edge band-knives will produce a large volume of dust, but adequate precautions should be taken to avoid a build up to nuisance levels, as this can cause a discomfort to nose and throat.

Cutting with saw-tooth blades will produce foam dust, which if allowed to accumulate, will produce a nuisance hazard. A high standard of housekeeping is required to remove dust deposits regularly. Local exhaust ventilation may be necessary to remove the dust formed, at source. Dust collectors used, must be fitted with explosion relief panels.

Hot-wire cutting should be avoided, this will release toxic fumes containing isocyanates into the atmosphere

Section 9: Physical and Chemical Properties

Form: Cellular solid.
Colour: Generally Grey or Black
Odour: Odourless
Solubility in water
Ignition: Insoluble
Temperature: > 200°C

Section 10: Stability and Reactivity

Some OBEX CORTEX Foam Tapes are flame retardant, however, in a fire situation, OBEX CORTEX Foam Tapes will, at high temperatures, release smoke and toxic gases.

Keep away from naked sources of ignition.

Hazardous decomposition products are mainly CO₂, CO, and NO_x, but sufficient other substances (including isocyanates and HCN) render the gaseous decomposition products toxic by inhalation

Section 11: Toxicological Information

Effect on eyes: Mechanical irritation only. Effect on skin: None in normal individuals.

Section 12: Ecological Information

In the aquatic environment, OBEX CORTEX Foam Tapes will present few problems due to its insolubility. In the soil environment, natural bacteria and fungi will aid biodegradation. Chlorofluorocarbons and other auxiliary blowing agents regulated by the Montreal Protocol and its subsequent amendments are not used in the manufacture of OBEX CORTEX Foam Tapes.

Section 13: Disposal Considerations

OBEX CORTEX Foam Tapes waste should be disposed of by an authorised licensed waste disposal contractor under the Control of Pollution Act 1974. Advice on disposal can be obtained from the Local Waste Regulation Authority or an equivalent body if outside the UK.

Section 14: Transport Information

The product is not classified as hazardous for any mode of transportation under current UK/EU/UN regulations

Section 15: Regulatory Information

No labelling is currently required for this material by the Classification, Packaging and Labelling of Dangerous Substances Regulations and corresponding EC/EU/UN directives.

Section 16: Other Information

Further and more specific information can be obtained by contacting the sales department at Obex Protection Ltd.