



Rubber Health & Safety and General Product Handling Information

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Introduction

This data sheet provides guidance on storage, handling & processing of solid & cellular polymeric materials supplied by Delta Rubber Ltd. The materials are a range of natural and synthetic polymers & copolymers in both solid, and cross-linked or chemically blown expanded cellular (sponge) materials. Each grade of material has its own specified physical and chemical characteristics.

Potential Hazards

1. Toxicity

Delta Rubber materials are chemically un-reactive and are biologically inert, but certain types may stain delicate or highly polished surfaces. When used correctly ie. within recommended operating parameters, there are no known health hazards. All chemical ingredients are tightly bound in a polymeric matrix that has negligible vapour pressure so there is a low potential for inhalation or ingestion of ingredients

2. Inhalation (Fume evolution)

There is no release of any noxious fumes from Delta Rubber materials at ambient temperatures, although to avoid the possibility of odours they may be kept in polythene bags/wrappers. Grinding or sanding may generate dust causing throat and respiratory system irritation and coughing, difficulty in breathing etc therefore PPE should be worn.

3. Ingestion

Ingestion of Delta Rubber materials should be avoided. The materials are inert and can be regarded as toxicologically harmless, but they are not recommended for prolonged use in contact with food / drinking water unless specifically designated grades are used. Special First Aid facilities are not required.

4. Physical contact

Delta Rubber materials are not generally skin irritant, however prolonged exposure to skin is not recommended and some people may have an allergic reaction (rash) to certain grades of natural rubber. Use of gloves or barrier cream is recommended. Normal hygiene standards should apply after handling rubber, and consumption of food in working areas avoided.

5. Fire Ignition & Burning Characteristics

Unless otherwise stated on individual data sheets surface degradation will take place at temperatures above 160°C after varying periods of time will pyrolyse above 300°C. Most rubbers will support combustion giving rise to dense and highly toxic fumes including carbon monoxide, hydrocarbons and solid particulate matter. In the event of a fire, all personnel must

immediately evacuate the area. Experience has shown that as a norm, only the top surfaces and edges of stacks of material will burn. Some fire-retardant grades are self-extinguishing but still give off black smoke & acrid fumes.

6. Disposal

Bury or incinerate under controlled conditions. Can be reclaimed by specialist processing.

Recommended Precautions for Transportation, Handling & Storage

Delta Rubber materials are normally supplied in roll, sheet, or fabricated form and unless specified would be wrapped in polyethylene / cardboard boxes and palletised where necessary. The products are chemically stable at room temperature and as no fumes are produced under normal circumstances no special precautions need be taken.

Some materials can show deterioration in physical appearance and properties if exposed for extended periods to strong sunlight. It is therefore recommended that materials are stored out of direct sunlight.

The handling, stacking and machining of Delta Rubber materials can generate static electrical charges which may discharge through the operators causing minor discomfort so precautions may be necessary to counteract this.

Delta Rubber materials are combustible so good housekeeping is necessary to minimise the possibility of accidental fires. Users stocking larger quantities are recommended to review their precautions and consult their local Fire Prevention Officer

RoHS (restriction of hazardous substances) Directive 2002/95/EC **Weee (waste, electrical and electronic equipment) Directive 2002/96/EC**

This is to certify that all products supplied by Delta Rubber do not contain lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated biphenyl and polybrominated diphenyl ether above the thresholds indicated within the requirements of RoHS.

WARRANTY

All data relating to suitable uses and description information concerning our products are compiled from research and are believed to be reliable but are provided for guidance only. The Company is not bound contractually unless and until an order acknowledgment in writing is made and must be on the Company's standard condition of sales. It is recommended that the purchasers independently determine the suitability of the products for their purposes. No salesman, representative or agent is authorized to give any guarantee, warrant or make any representation contrary to the foregoing.



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