

Cutting and grinding of GRP COSHH data (Control of Substances Hazardous to Health)

Chemical composition and description

Lockinex GRP grating is manufactured from Isophthalic unsaturated polyester resin.
Surface grit consists of either quartz or carborundum

Hazard Identification

Dust produced by cutting or grinding may cause severe irritation when in contact with skin or eyes.
Inhalation of dust caused by cutting or grinding may cause respiratory irritation.

Handling, cutting & grinding

To prevent the above hazards occurring, it is recommended that suitable PPE be worn at all times during the cutting and grinding process. Gloves, full length overalls (or similar), goggles & work boots should be worn to cover all exposed skin and eyes to prevent contact with GRP dust. A suitable dust mask or respiratory system should be worn to prevent dust inhalation.

If cutting with a jigsaw (or similar), use GRP specified cutting blades. Otherwise, use diamond cutting tools.

There is no work exposure limit (WEL) specified specifically for exposure to GRP. However, there is a WEL specified for nuisance dust of 10 mg/m³ averaged over an 8-hour day, which would apply to GRP dust. Therefore suitable ventilation is required. LEV (local exhaust ventilation) may be required in confined areas and must be assessed by the cutting/grinding personnel.

Treatment

If dust comes into contact with skin, wash irritated areas with warm soap and water.
If dust comes into contact with eyes, use sterile eye wash solution. If unavailable, wash eyes with warm water.
If respiratory irritation is experienced, leave the cutting/grinding area immediately and seek a well ventilated area.
If respiratory, skin or eye irritation continues at a severe level, seek medical attention.

Waste disposal

Abide by local laws and procedures. Product is not considered hazardous waste.

Fire fighting

Product will not burn when cutting or grinding.
Product will eventually burn if in direct contact with fire.
Extinguishing media, water, foam, A,B OR C extinguishers.