

Safety data sheet (SDS)

Product information

PRODUCT NAME	SUPALUX®
MARKETED BY	Promat Asia Pacific organisation
INTENDED USES	Passive fire protection applications in building and construction industry.

Composition

INGREDIENTS	Conc.	CAS	EINECS	Symbols/Risk phrases
Synthetic calcium silicate hydrate	–	–	–	–
Cellulose fibre	–	900–34-6	–	–
Mica	–	12001–26-2	–	–
Vermiculite	–	–	–	–

Hazards identification

Cutting or drilling the product can cause dust emissions which, if not controlled, may be harmful to health.

First aid measures

SKIN CONTACT	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
EYE CONTACT	Rinse immediately with plenty of water for 15 minutes holding eyelids open. Seek medical attention if irritation or symptoms persist.
INHALATION	Move the exposed person to fresh air and rest. If symptoms persist, seek medical attention.
INGESTION	Rinse mouth thoroughly. Drink one to two glasses of water. Seek medical attention if irritation or symptoms persist.

If necessary please show this document to the medical advisor, doctor and/or the casualty department.

Fire fighting measures

FIRE PRECAUTIONS	No special precautions required.
FIRE FIGHTING EQUIPMENT	Not applicable.
HARARDOUS DECOMPOSITION PRODUCTS	Small quantity of carbon monoxide and carbon dioxide. Not flammable.

Accidental release measures

PERSONAL PRECAUTIONS	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
ENVIRONMENTAL PRECAUTIONS	Restrict spreading. Do not allow product to enter drains. Prevent further spillage if safe.
CLEAN UP METHODS	Collect dust with a Type H vacuum cleaner (at least in compliance with BS 5415) or soak with water and sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

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Handling and storage

HANDLING	Engineering methods are preferred to control dust emissions. Effective exhaust ventilation must be in place when drilling or cutting the product. Avoid inhalation of dust. The use of high speed cutting tools should be avoided unless a suitable dust control or extraction can be demonstrated. Care should be taken when handling heavy boards. The boards are not load bearing.
STORAGE	Keep in a cool, dry, well ventilated area. Protect from acid. No special labelling or storage conditions are necessary.

Exposure controls / Personal protection

ENGINEERING MEASURES	Ensure adequate ventilation of the working area if dust is generated during work.
RESPIRATORY PROTECTION	Approved and suitable protective equipment, e.g. a mask with dust filter type P2 (for fine dust). Take note on expiry date and replacement of the filters; read the supplier's information.
HAND PROTECTION	Chemical resistant gloves (PVC)
EYE PROTECTION	Approved safety goggles suitable for dust protection
SKIN AND BODY PROTECTION	Protective clothing

Physical and chemical properties

APPEARANCE	Off white flat sheet
ODOUR	Odourless
DENSITY	Nominal 950kg/m ³
pH	Approx. 12
CHEMICAL REACTION	Slightly soluble in acids

Stability and reactivity

Stable and inert under normal conditions.

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Toxicological information

ROUTES OF EXPOSURE	Lungs, gastro-intestinal tract and eyes to dust generated from cutting or drilling the product.
SHORT TERM EFFECTS	
EYES	Dust particles may cause temporary irritation and watering of the eyes.
SKIN	None anticipated.
INHALATION	Dust may result in irritation of the respiratory tract.
INGESTION	Mild discomfort.
LONG TERM EFFECTS	Prolonged inhalation of high concentrations of the dust may cause respiratory conditions.

Ecological information

No significant effect.

Disposal considerations

Treat waste disposal as construction industry waste.

Transport information

No specific requirements.

Regulatory information

Occupational exposure standard (OES) / Maximum exposure limits (MEL)

MICA	OES 10mg/m ³ total dust, 1mg/m ³ respirable dust, 8 hour time weighted averages.
CELLULOSE	OES 10mg/m ³ total dust, 5mg/m ³ respirable dust, 8 hour time weighted averages.
GENERAL DUST	OES 10mg/m ³ total dust, 5mg/m ³ respirable dust, 8 hour time weighted averages.

Other information

TRAINING REQUIREMENTS	No special training necessary. The installer shall work with the product in full compliance with the instruction of this document. The requirements of the COSHH Regulations must be met.
RESIDUAL COMPONENTS	Quartz is used in the manufacture and a small proportion may remain in the product. The amount is such that an exposure to mixed dust generated from the product at the OES of 5mg/m ³ will not likely lead to exposure to quartz in excess of the MEL where quartz is 0.3mg/m ² of respirable dust (8 hour time weighted average).

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