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1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Products Names : **Eter** fibre cement roofing sheets and accessories: **Eter6, Eter11, Eter14, EterAX 6, EterAX11, EterAX14...**
Intended product use : Fiber cement sheets and accessories for roofing.
Company description : PT. ETERNIT GRESIK
Head office & factory: Jl.Indro no.1, Gresik 61124 - Indonesia
E-mail: eternitg[@]rad.net.id
Tel: +62 (0) 31 398 1091
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Description:

Fiber cement sheets and accessories for various roofing applications in the construction industry.

Chemical characterization:

The **Eter** fiber cement products are manufactured articles, not substances nor preparations.
The **Eter** fiber cement products manufactured from cement, mineral fillers, organic reinforcement fibers and water.

All **Eter** products are produced **without using any asbestos** (such as chrysotile, amosite, chrocidolite or any other kind of asbestos).

3. HAZARD IDENTIFICATION

Indication of the hazards:

The installed **Eter** product in its final application: no hazards known.

By machining (drilling, cutting, sanding, etc.) the product:

- Excessive inhalation of dust may cause irritation of the airways.
- Eye-contact with dust may lead to transient eye irritation or inflammation
- Prolonged skin contact could lead to irritation for sensitive persons

Specific risk information for humans and environment:

See sections N°7 and N°8.

4. FIRST AID MEASURES

Inhalation : Move to a ventilated area and if necessary visit a doctor or a hospital.
Skin contact : Clean it with water. If necessary visit a doctor or a hospital.
Eye contact : Do not rub the eye, rinse out with water. If necessary visit a doctor or a hospital.

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5. FIRE FIGHTING MEASURES

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|--------------------------------------|---|----------------------------------------------|
| - Flash point | : | Non-combustible. |
| - Flammable limits | : | LEL: not applicable,
UEL: not applicable. |
| - Extinguishing media | : | Not applicable. |
| - Special fire fighting procedures | : | None. |
| - Unusual fire and explosion hazards | : | None. |

6. ACCIDENTAL SPILL / RELEASE MEASURES

Not applicable.

7. HANDLING AND STORAGE

Handling:

During machining:

- Work in well ventilated area.
- Use tools with dust exhaust system.
- Wear respiratory protective equipments.
- When dust concentration is higher than occupational exposure limit, respiratory protective equipment is obligatory.
- Collect dust with a vacuum cleaner; hose down or wet sweep work areas.

Storage:

Pallets should be stored on a flat surface, in a dry, covered, frost proof and well ventilated area. During transport, the products should be covered.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- Check the latest Occupational Exposure Limits (OEL) for airborne contaminants that are applicable in your country.
- Engineering controls: Ensure vacuum dust exhaust with correct filter when using motorized machining tools.
- Personal protection: Avoid breathing dusts, avoid eye and skin contact, and wear personal protective equipments appropriate for the task.
- Respiratory protection: Use approved respirators whenever occupational exposure levels are or can be foreseen to be exceeded.
- Eye protection: Use safety goggles whenever tools are used and dust is produced.
- Skin protection: Use working clothes and gloves to protect against mechanical injury and direct skin contact.



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9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Different colours available.
- Delivery form : Rigid, self-supporting sheet or accessory.
- Odour : None.

Important safety parameters:

Boiling point	:	Not applicable.
Melting point	:	Not applicable.
Flash point	:	Not applicable.
Flammability	:	Not applicable.
Auto flammability	:	Not applicable.
Explosive properties	:	Not applicable.
Oxidizing properties	:	Not applicable.
Vapour pressure	:	Not applicable.
Average density	:	1.47 Kg/dm ³ .
Solubility:		
. Water solubility	:	Insoluble.
. Fat solubility	:	Not applicable.
pH value	:	12 – 13.
Partition coefficient	:	Not applicable.
Viscosity	:	Not applicable.

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility (materials to avoid): Strong acids.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

No acute toxicity other than transient irritation of exposed mucosae (eyes, throat, airways).

Further information:

- Prolonged skin contact can lead to moderate skin irritation.
- Hazards are related to the inhalation of dust produced during machining. This risk will be minimal if correct working practices are observed and applied.
- Short-term inhalation of dust can cause transient respiratory irritation.
- As with most types of inorganic and organic dust, non-specific to the **Eter** products, the inhalation of excessive concentrations of dust over prolonged periods of time can lead to chronic inflammation of the airways (industrial bronchitis).

12. ECOLOGICAL INFORMATION

Nothing to report.

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13. DISPOSAL CONSIDERATION

- The product has to be handled as building waste in accordance with local legislation.
- Please check that you comply with the entire local, state and government regulations for disposal of wastes which are containing the described raw materials.

14. TRANSPORT INFORMATION

- | | | |
|---------------------------|---|--------------------------------------------------------------------|
| Road transport | : | Eter fiber cement products are not classified as dangerous. |
| Inland shipping transport | : | Eter fiber cement products are not classified as dangerous. |
| Sea shipping transport | : | Eter fiber cement products are not classified as dangerous. |
| Air transport | : | Eter fiber cement products are not classified as dangerous. |

15. REGULATORY INFORMATION

The **Eter** roofing products are a manufactured article, not a substance nor a preparation. According to the Indonesia regulations, no label is required.

16. OTHER INFORMATION

The recommendations for machining and installation of the above mentioned product have to be followed.

The health and safety information contained herein is believed to be accurate and correct based on our current knowledge at the date of issue and no liability can be accepted for any loss, injury or damage resulting from its use. It is intended as a guide for the safe handling, storage and use under normal conditions, but does not necessarily refer to the particular requirements of a customer when further advice should be obtained.

This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.

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