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1 Identification

Product Identifier

Trade name: YFD**Manufacturer/Supplier:**

Magnesita Refractories Company

425 S. Salem Church Road

York, PA 17408

USA

Information department: Compliance Department: 717-793-5463**Emergency telephone number:**

Chemtrec: 800-424-9300

Magnesita: 717-793-5463

2 Hazard(s) identification

Classification of the substance or mixture

The product is not classified according to the Globally Harmonized System (GHS).

Hazard pictograms Void**Signal word** Void**Hazard statements** Void**Carcinogenicity:** Not Applicable

3 Composition/information on ingredients

Chemical characterization: Substances

CAS No. Description

1305-78-8 calcium oxide	50-100%
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1309-48-4 magnesium oxide	25-50%
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64742-43-4 wax	<5%
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Chemical characterization: Mixtures

Description:

Mixture: consisting of the following components.

Refer to product data sheet for more details.

Additional information:

This product may contain wax. The wax information only pertains to bricks that have been coated.

4 First-aid measures

Description of first aid measures

General information: No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Wash with water and soap**After eye contact:** Rinse opened eye for several minutes under running water.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

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Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

Additional Information The fire fighting measures given are for packaging and surrounding materials.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Pick up mechanically.

Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling No special measures required.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Store in dry conditions.

Store in a cool place.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

1305-78-8 calcium oxide

PEL (USA) Long-term value: 5 mg/m³

REL (USA) Long-term value: 2 mg/m³

TLV (USA) Long-term value: 2 mg/m³

EL (Canada) Long-term value: 2 mg/m³

EV (Canada) Long-term value: 2 mg/m³

1309-48-4 magnesium oxide

PEL (USA) Long-term value: 15* mg/m³
fume; *total particulate

TLV (USA) Long-term value: 10* mg/m³
*as inhalable fraction

EL (Canada) Short-term value: 10** mg/m³
Long-term value: 10* 3** mg/m³
*inhalable fume; **respirable dust and fume

EV (Canada) Long-term value: 10 mg/m³
inhalable

Additional information:

The lists that were valid during the creation were used as basis.

Provide effective ventilation or local exhaust during heat-up or dust emitting operations (e.g. cutting).

Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Avoid contact with perspiring skin.

Breathing equipment:

Whenever dust is generated

NIOSH-approved respirator is recommended if exposure limits are exceeded.

Protection of hands:

Protective gloves

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Safety glasses

9 Physical and chemical properties

Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Solid
Color:	Dark brown
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value: Not applicable.

Flash point: Not applicable.

Flammability (solid, gaseous): Not determined.

Ignition temperature:**Decomposition temperature:** Not determined.**Auto igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:****Lower:** Not determined.**Upper:** Not determined.**Density:** Not determined.**Relative density** Not determined.**Vapor density** Not applicable.**Evaporation rate** Not applicable.**Solubility in / Miscibility with****Water:** Slightly soluble.**Partition coefficient (n-octanol/water):** Not determined.**Viscosity:****Dynamic:** Not applicable.**Kinematic:** Not applicable.**Other information** No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.**Possibility of hazardous reactions** No dangerous reactions known.**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** No dangerous decomposition products known.**Additional information:**

Preheater burners must be properly adjusted to avoid the formation of hazardous decomposition products associated with the incomplete combustion of preheater fuel.

11 Toxicological information

Information on toxicological effects**Primary irritant effect:****on the skin:** May cause irritation to skin and mucous membranes**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Carcinogenic categories****IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agent: Water, if necessary with cleansing agents.

Additional Information:

This product contains lime which will hydrate in contact with water and generate heat. Care should therefore be taken in the event of co-disposal with combustible materials.

14 Transport information

Environmental hazards: Not applicable.

Remarks: This product is not a hazardous material as defined in 49 U.S. CFR Part 172. It is not defined as hazardous in the IATA Regulations, Section 4.2. No specific precaution is required for the transport of refractory products.

UN "Model Regulation": Void

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

1305-78-8 calcium oxide

1309-48-4 magnesium oxide

64742-43-4 wax

GHS label elements Void
Hazard pictograms Void
Signal word Void
Hazard statements Void

16 Other information

This product is a mixture of calcium and magnesium oxide. It is also referred to as dead burned dolomite or doloma (CAS No. 37247-91-9) and calcinated dolomite (CAS No. 83897-84-1).

Recommended restriction of use For professional use only

Department Issuing SDS: Compliance Department

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