

Safety data sheet

Page: 1/8

BASF Safety data sheet

Date / Revised: 23.07.2015

Product: **MasterEmaco T 545 also EMACO T545**

Version: 3.0

(30586294/SDS_GEN_NZ/EN)

Date of print 24.07.2015

1. Substance/preparation and company identification

MasterEmaco T 545 also EMACO T545

Use: Product for construction chemicals

Manufacturer/supplier:

BASF New Zealand Limited

Level 4, 4 Leonard Isitt Drive, Auckland Airport, Auckland 2022

PO Box 407 Shortland Street, Auckland 1140, NEW ZEALAND

Telephone: +64 9 255-4300

Telefax number: +64 9 255-4307

Emergency information:

National Poisons Centre: 0800 764 766

BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

2. Hazard identification

No particular hazards known.

3. Composition/information on ingredients

Chemical nature

Preparation based on: silicates

modified with: phosphates

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

If inhaled:

After inhalation of dust. Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Do not breathe dust. Wear eye/face protection. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable appliance and dispose of. Dispose of contaminated material as prescribed.

For large amounts: Pick up with suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations.

Avoid raising dust.

7. Handling and Storage

Handling

Avoid dust formation. Wear suitable protective clothing and eye/face protection. Avoid inhalation of dusts/mists/vapours. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Keep away from sources of ignition - No smoking. Dust can form an explosive mixture with air.

Storage

Suitable materials for containers: Paper/Fibreboard

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

8. Exposure controls and personal protection

Components with occupational exposure limits

magnesium oxide, 1309-48-4;

TWA value 10 mg/m³ (ACGIHTLV), Inhalable fraction
TWA value 10 mg/m³ (OEL (NZ)), fumes/smoke

boric acid, 10043-35-3;

BASF Safety data sheet

Date / Revised: 23.07.2015

Version: 3.0

Product: **MasterEmaco T 545 also EMACO T545**

(30586294/SDS_GEN_NZ/EN)

Date of print 24.07.2015

TWA value 2 mg/m³ (ACGIHTLV)
 STEL value 6 mg/m³ (ACGIHTLV)
 TWA value 2 mg/m³ (ACGIHTLV), Inhalable fraction
 STEL value 6 mg/m³ (ACGIHTLV), Inhalable fraction
 TWA value 2 mg/m³ (ACGIHTLV), Inhalable fraction
 STEL value 6 mg/m³ (ACGIHTLV), Inhalable fraction

Quartz (SiO₂), 14808-60-7;

TWA value 0.025 mg/m³ (ACGIHTLV), Respirable fraction
 TWA value 0.2 mg/m³ (OEL (NZ)), Respirable dust

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Particle filter with low efficiency for solid particles (e.g. EN 143 or 149, Type P1 or FFP1)

Hand protection:

impermeable gloves

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

light protective clothing

General safety and hygiene measures:

Avoid inhalation of dusts. Wearing of closed work clothing is required additionally to the stated personal protection equipment. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form: powder
 Colour: grey
 Odour: characteristic

pH value: not applicable

Boiling point: not determined

Flash point: not applicable

Flammability: not flammable

Lower explosion limit: not applicable

BASF Safety data sheet
Date / Revised: 23.07.2015
Product: **MasterEmaco T 545 also EMACO T545**

Version: 3.0

(30586294/SDS_GEN_NZ/EN)

Date of print 24.07.2015

Upper explosion limit:	
Explosion hazard:	not applicable not explosive
Vapour pressure:	not applicable
Density:	approx. 2.1 g/cm ³ (23 °C)
Bulk density:	approx. 1,500 - 2,000 kg/m ³
Solubility in water:	partly soluble (20 °C)
Miscibility with water:	(20 °C) partially (e.g. >10% <90%)
Hygroscopy:	Non-hygroscopic
Viscosity, dynamic:	(23 °C) not applicable
Solids content:	100 %

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

strong acids, strong bases, strong oxidizing agents, strong reducing agents

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. Based on available Data, the classification criteria are not met. The product has not been tested. The statement has been derived from the properties of the individual components.

Irritation

Assessment of irritating effects:

No irritation is expected under intended use and appropriate handling. Based on available Data, the classification criteria are not met.

Sensitization

Assessment of sensitization:

The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity

Assessment of repeated dose toxicity:

No reliable data was available concerning repeated dose toxicity. Based on available Data, the classification criteria are not met.

Genetic toxicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Based on available Data, the classification criteria are not met. There is a high probability that the product is not acutely harmful to aquatic organisms.

Mobility

Assessment transport between environmental compartments:

No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

Bioaccumulation potential

Assessment bioaccumulation potential:

No data available.

Discharge into the environment must be avoided.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal Considerations

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Domestic transport:

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Registration status:

NZIOC, NZ released / exempt

Not classified as hazardous according to HSNO criteria

16. Other Information

In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'. Reprotoxic substances (development) Category 2: Substances which should be regarded as if they cause developmental toxicity in humans.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.