



Safety Data Sheet

Safety Data Sheet according to (EC) No 1907/2006

Revision Date: 08.03.2017

Palusol 100

Section 1: Identification of the product and the company's undertaking

Product Identifier

Palusol 100

Relevant Uses of the Product

Thermally expandable plates for structural fire protection.

Details of the supplier of the Safety Data Sheet

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Section 2: Hazards

Classification of the Product

This product is not classified as hazardous according to Directive 1999/45/EC.

This product is not classified as hazardous according to Regulation (EC) No 1272/2008.

Labelling

This product does not require a hazard warning label in accordance with EC directives.

Other hazards

May cause irritation to skin and eyes.

Section 3: Composition and information on ingredients

Chemical characterisation

Thermally expandable plates for structural fire protection.

Contains silica and salt (W/W <=80%)

Section 4: First Aid Measures

Description of first aid measures

The first aid measures refer to the contact with dust arising during the processing of the product eg sawing, drilling, and grinding.

In case of inhaling dust (possibly caused by abrasion) the affected person should be moved into fresh air.

In case of sickness seek medical advice.

After contact with skin, remove and wash contaminated clothes before re-use. Wash off immediately with soap and plenty of water. Consult a doctor if skin irritation persists.

After contact with eyes do not rub eyes. Remove contact lenses and rinse eyes and under the eyelids thoroughly with water and consult a doctor immediately.

After ingestion, rinse out the mouth and drink plenty of water. Do not induce vomiting. Consult a doctor immediately.

Symptoms and effects

Possible symptoms are the irritation of skin and the eyes.

Also, see Section 11.

Immediate medical attention and special treatment required

Treat symptoms.

Section 5: Firefighting Measures

Extinguishing

Use fire extinguishing methods in accordance to the surroundings.

May produce toxic fumes if burnt.

Firefighters are advised to wear protective equipment in accordance with the conditions.

Section 6: Accident Precautions

Avoid dust formation. Do not breathe dust. Use breathing apparatus if exposed to dust.

Dispose of this product in closed containers. Do not discharge into drains, surface water or ground water.

When cleaning up, dispose the product into a suitable container, avoiding the disperse of dust. Avoid the use of compressed air and sweeping.

See Section 8 for information on personal protective equipment.

Section 7: Handling and Storage

Safe handling

Provide appropriate ventilation and exhaust ventilation at the workplace. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

There are no specific fire preventions necessary but note the general rules of internal fire prevention.

Take the usual precautions when handling chemicals. Wash hands before breaks and at the end of the working day. Keep away from food, drink, and animal feed. Remove and wash contaminated clothes before re-use. Do not leave to dry.

Safe storage

Protect against physical damage of the product.

Do not store with acids or with food.

Protect against heat, direct sunlight, freezing and moisture. Keep tightly closed in a cool and dry place.

End Use

Thermally expandable plates for structural fire protection.

Section 8: Exposure controls and personal protection

Exposure

Technical and organisational measures must be applied.

Ensure there is adequate ventilation especially in confined areas and avoid the formation of dust.

Personal protection

Take the usual precautions when handling chemicals. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Remove and wash contaminated clothes before re-use.

Eye and face protection

Tightly fitting goggles (EN166)

Eye wash bottle with pure water (EN15154)

Hand protection

Protective gloves (EN374)

Safety gloves (EN420 cat 1 or 2)

Suitable material for extended and direct contact (EN374) (protection index 6, corresponding to a permeation rate >480 minutes) Nitrile rubber or nitrile latex – NBR (0.35mm)

Requirements can vary as a function of use; therefore, it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Skin protection

Wear closed and long working clothes

Respiratory protection

Breathing apparatus (particle filter P2) only if dust is formed.

Section 9: Physical and chemical properties

Basic physical and chemical properties

Physical state: Solid material

Colour: White

Odour: Odourless

pH Value: 9.5

Changes to the physical state

Initial boiling point and boiling rate: Not determined

Flash Point: Not applicable

Lower explosion limits: Not determined

Upper explosion limits: Not determined

Density (at 20°C): 1.2 – 2.2 g/cm³

Water solubility (at 20°C) 195 g/L

Ignition temperature: Not applicable

Explosive properties: The product is not explosive

Decomposition temperature: >100°C

Viscosity / dynamic (at 20°C) Not determined

Viscosity / kinematic Not determined

Oxidising properties: The product is not self-igniting

Section 10: Stability and reactivity

The product has no reactivity.

The product is stable under normal conditions.

The product could have a strong exothermic reaction with acids.

Avoid contact with extreme heat and sources of ignition eg heat, sparks, and open flames.

Section 11: Toxicology

Toxicokinetic, metabolism and distribution

No toxicological data available

Acute toxicity

Based on available data, the classification criteria were not met.

Irritation and corrosivity

Based on available data, the classification criteria were not met.

Breathing dust and fibres may cause temporary irritation to the mouth, nose, and throat. Ingestion of dust and fibres may cause temporary irritation to the digestive system. Prolonged contact may irritate skin.

Sensitising effects

Based on available data, the classification criteria were not met.

No sensitising effects known

STOT – single exposure

Based on available data, the classification criteria were not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria were not met.

Carcinogenic, mutagenic, and toxic effects for reproduction

Based on available data, the classification criteria were not met.

Aspiration hazard

Based on available data, the classification criteria were not met.

Further information

If handled appropriately and in accordance with the general hygienic rules, no damage to health have become known.

Section 12: Ecology

Toxicity

No toxicological data available

Biodegradability

Not readily degradable

Bio accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

According to regulation (EC) No 1907/2006 (REACH) none of the substances contained in this product are a PBT substance

Section 13: Disposal considerations

Disposal

Dispose of this product in accordance with local regulations.

Empty containers should be taken for local recycling, recovery, or waste disposal.

Section 14: Transport

Land transport (ADR/RID); Marine transport (IMDG); Air transport (IATA)(ICAO); Inland waterways transport (ADN)

UN number

Not applicable. No hazardous material as defined by the transport regulations.

UN proper shipping name

Not applicable. No hazardous material as defined by the transport regulations.

Transport hazard class(es)

Not applicable. No hazardous material as defined by the transport regulations.

Packing group

Not applicable. No hazardous material as defined by the transport regulations.

Environmental hazards

Not applicable. No hazardous material as defined by the transport regulations.

Special precautions for user

Not applicable. No hazardous material as defined by the transport regulations.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not applicable. No hazardous material as defined by the transport regulations.

Section 15: Regulatory information

EU regulatory information

This product is not classified as dangerous according to Directive 1999/45/EC.

This product is not classified as dangerous according to Regulation (EC) No 1272/2008.

Chemical safety assessments for substances in this product were not carried out.

Section 16: Other information

Abbreviations and acronyms

ADR	Accord europeen relative au transport international des marchandises Dangereuses par Route
RID	Reglement concernant le transport international ferroviaire de marchandises dangereuses

ADN	Accord europeen relative au transport international des marchandises dangereuses par voie de navigation interieure
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
MARPOL	International Convention for the Prevention of Pollution from Ships
REACH	Registration, Evaluation, Authorisation, and restriction of Chemicals
EN	European Norm
PBT	Persistent Bio-accumulative and Toxic
vPvB	Very Persistent and Very Bio- accumulative

Further information

Content of sections 4 to 8 and 10 to 12 do not relate to the application of the product but to the avoidance of accidents and irregularities.

The information is for the safety requirements of the product(s) and is based on the present level of our knowledge.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.