

TECHNICAL DATA SHEET



EMERGENCY PUTTY ANTIFREPN 5 PMPA PMPA

Colour: dark grey
Composition: bentonite, water, fungicide, antifreeze additive, mixture of mineral powders

DESCRIPTION:

Plastic sealing putty, packaged air proof in plastic bin - the product is insulated against drying.

RECOMMENDED USE:

Emergency putty for temporary sealing of the holes, which are leaking out dangerous liquids. It is possible to use for the repair of the holes up to 2,4 m of hydrostatic height. Durability of the repair is 48 hours - it is possible to prolong with use of the bandage.

It is recommended to store the products at temperatures from - 15°C to 30°C, during freezing the product is not damaged-after defrosting is usable without limits. The expiration date is stated on 14 months after the production date.

List of products	Volume	Number	Packaging	Weight	Dimensions	Palett	No./pal
Code	l	pcs/box		netto kg/pc	of the box/cm	cm	box/pal
Leak Block	puck	20	blister/box	0,15	23 x 31 x 15	120 x 80	80
5 PMPA	0,5	18	dose/box	0,60	40 x 40 x 15	120 x 80	60
10 PMPA	1	9	dose/box	1,35	40 x 40 x 15	120 x 80	60

The above mentioned properties are "nominal" values for the process control when the products are produced and/or inspected.

LABELING: Every package should be labeled with name and the address of the supplier, product code, expiration date. Every package contains the used guide.

EFFICIENCY FOR CHEMICALS:

Acids:

Lactic acid
Hydrochlorid acid 37,90%
Acetic acid 99,50%
Nitric acid 69,50%

Alcohols:

Ethanol
Propanol
Methanol 99%
Mineral alcohols

Other liquids:

Ethylenglykolmonobutylether
Diethylenglykolmonobutylether
Amylacetate 99%
Methylenchloride 99%
Water based paints
EDC (acidic)
EDC (alkaline)
Methylisobutylketone 99%

Bases:

Sodium hydroxide 40%
Liquid caustic soda

Solvents:

Trichlorethylen
Perchlorethylen
Toluene
Gasoline
Hexane

Emergency putty is not efficient for these liquids:

Phosphoric acid, Hydrofluoric acid, Triethylamine 99%, Sulphuric acid 96%, Hydrogen peroxide 15%

SAFETY INFORMATION

COMPOSITION / INGREDIENTS:

1) Bentonite 60-64%

Synonyms: Natrium-bentonite, Calcium-bentonite, Montmortillonite
alkalic activated bentonite

2) Mixture of natural mineral substances < 1%

(SiO₂, soda ash flux calcinated, cristobalite, quartz)

3) Fungicide 0,9 %

4) Monopropylenglycol 25-27%

5) Water 9-11%

CAS No:

- 1) Bentonite: 1302-78-09 (EG Nr. 215-108-5)
- 2) Cristobalite 14464-46-1
Soda ash flux 68855-54-9
Polyethyleneglycol 25322-68-3
Quartz 14808-60-7
- 3) Fungicide 63449-41-2
- 4) Monopropylenglycol 57-55-6

HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE Product is not classified as dangerous according to the Czech law Act. No. 350/2011

Physico-chemical hazards	No particular hazards known
Human health dangers	No particular hazards known
Environmental hazards	No particular hazards known
Other hazards	None
Hazard symbols	None
R-phrases	None

FIRST AID MEASURES

General advice	In case of health troubles, seek medical advice
Inhalation	Not relevant
Skin contact	Wash skin with soap and plenty of water
Eye contact	Wash immediately with water, even the eye caps, medical care if necessary
Swallowing	Drink plenty of water. By ingestion of large quantities medical treatment if necessary.

FIRE FIGHTING MEASURES

Suitable extinguishing media	Non-flammable product, it is possible to use all extinguishing media
Specific danger	No relevant
Personal protective appliances	None special
Further information	None special

EXPOSURE CONTROL / PERSONAL PROTECTION

Respiration protection	Control limits and methods / Personal protective equipment Not necessary
Eye protection	Not necessary
Hand protection	Protective gloves
Skin protection	Protective coveralls, sealed footwear
General safety and hygienic measures	Observe personal hygienic regulations. Do not eat, drink and smoke during work. Wash thoroughly hands and uncovered body parts with soap and water after handling and before eating or drinking. Treat skin with a mild skin restoring cream.

ENVIRONMENTAL EXPOSURE CONTROL LIMITS AND METHODS

No recommendation

PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20°C	solid plastic putty
Colour	grey
Odour	odourless
Flammability	non-flammable product
Oxidizing properties	no
Density (kg/m ³)	1220
Solubility in water (g/l)	insoluble
Solubility in fats (g/l)	insoluble

STABILITY AND REACTIVITY

Conditions recommended	The products are stable at normal conditions
Conditions to avoid	Temperatures below -15°C
Material not recommended to be in contact with with the products	Triethylamine, Sulfuric acid, Phosphoric acid, Hydrogen peroxide, Hydrofluoric acid, Muriatic acid
Hazardous decomp. products	No known

TOXICOLOGY INFORMATION

Effects dangerous to health	The products have no toxicol impact
Acute toxicity	
Inhalation	Not applicable
Ingestion	Not expected. Ingestion of large quantities may cause vomiting.
Skin	No known effects
Eyes	Not expected. Irritation may arise in case of eye contact
Longterm and chronic effects	No known effects

ECOLOGICAL INFORMATION

Ecotoxicity	No known negative impact on the environment
Mobility	Not applicable
Persistence and degradability	Not applicable
Bioaccumulative potential	Not applicable

DISPOSAL

Material not used can be disposed on a controlled place of discharge as normal disposal. After use the putty should be disposed according to the regulations in force for disposal of contamination fluid.

TRANSPORT

Transport classification

Product is not classified as dangerous goods according to the transport regulations

Special transport precautionary
measures

Not applicable

Date: 12.3.2021