



SAFETY DATA SHEET

POLYPAZ 3-4-5/250

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Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation")

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: POLYPAZ 3-4-5/250

1.2 Relevant identified uses of the substance or mixture and uses advised against

Common uses: Infrastructure waterproofing.

Uses advised against: N/A

1.3 Details of the supplier of the safety data sheet

PAZKAR Ltd.

Alon Tavor, Industrial zone

P.O.B 2030

Afula, 18000

Israel

Tel: +972-4-6423111

Fax: +972-4-8548870

E-mail address of person responsible for this SDS: info@pazkar.co.il

1.4 Emergency telephone number

Emergency telephone number (with hours of operation): N/A

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP):

The product is considered an article and articles are not included in the scope of the CLP Regulation. As such, the CLP labeling elements are not included on this SDS. All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, there is no evidence that any of the ingredients are released in amounts that pose a significant health risk.

2.2 Label elements

Labelling in accordance with Regulation 1272/2008 (CLP)

Hazard pictogram(s): Not required

Signal word: Not required

Hazard statement(s): Not required

Precautionary Statement(s): Not required

2.3 Other hazard

Not available

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification
Bitumen	CAS number: 64741-56-6 EC number: 265-057-8	35-80	Not classified
Quartz (SiO ₂)	CAS number: 14808-60-7 EC number: 238-878-4	0-30	STOT RE 2 H373



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Chromium trioxide	CAS number: 1333-82-0 EC number: 215-607-8	<0.3	Ox. Sol. 1 H271 Acute Tox. 3 H301, H311 Skin Corr. 1A H314 Skin Sens. 1 H317 Acute Tox. 2 H330 Resp. Sens. 1 H334 Muta. 1B H340 Carc. 1A H350 Repr. 2 H361f STOT RE 1 H372 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
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See section 16 for the full text of the H-statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eyes contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with plenty of water. Get medical attention.

Inhalation: Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

Ingestion: **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

4.3 Indication of any immediate medical attention and special treatment needed

Not available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable: Foam, water fog, dry chemical powder, carbon dioxide, other inert gases, sand or earth.

Not suitable: Do not use direct water jets on the burning product; they could cause splattering and spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

5.2 Special hazards arising from the substance or mixture

Under fire conditions may emit toxic and irritating fumes.

5.3 Advice for firefighters

Special protective equipment for fire fighters: Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Ventilate area of spill.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

6.4 Reference to other sections

See Section 1 for emergency contact information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of dust. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep container tightly closed in a dry, cool and well-ventilated place.

7.3 Specific end use(s): N/A

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Occupational exposure limit values: N/A

8.2 Exposure controls

Engineering measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Person Protective measures

Respiratory protection: Suitable respirator. Be sure to use an approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective gloves to prevent skin exposure.

Eye protection: Wear protective safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Environmental exposure controls: Not available



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Solid
Odour: N/A
Odour threshold: N/A
pH: N/A
Melting point/Freezing point: N/A
Initial boiling point/boiling range: >200°C
Flash point: >250°C
Evaporation rate: N/A
Flammability: N/A
Upper/lower flammability or explosive limits: N/A
Vapor pressure: N/A
Vapor density: N/A
Relative density: N/A
Solubility(ies): N/A
Partition coefficient Octanol/Water: N/A
Auto-ignition temperature: N/A
Decomposition temperature: N/A
Viscosity: N/A
Explosive properties: N/A
Oxidizing properties: N/A

9.2 Other information

N/A

SECTION 10: Stability and reactivity

10.1 Reactivity

Not available

10.2 Chemical stability

The product is stable under normal handling and storage conditions described in Section 7.

10.3 Possibility of hazardous reactions

Hazardous reactions are not expected, under normal conditions of storage and use.

10.4 Conditions to avoid

Not available

10.5 Incompatible materials

Not available

10.6 Hazardous decomposition products

Other decomposition products: not available
In the event of fire: see section 5



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Product/substance name	Test	Species	Dose
Bitumen	LD50, Oral	Rat	>5000 mg/kg
	LD50, Administration onto the skin	Rabbit	>2000 mg/kg
	LC50, Inhalation	Rat	>94.4 mg/m ³ /4H

Skin corrosion/irritation: Not available

Serious eye damage/irritation: Not available

Respiratory or skin sensitization: Not available

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

Other effects: Quartz may cause damage to lungs through prolonged or repeated exposure.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Toxicity to algae	Toxicity to fish	Toxicity to crustaceans
Bitumen	EL50(72h) >1000 mg/L (Pseudokirchnerella subcapitata)	LL50(96h) >1000 mg/L (Oncorhynchus mykiss)	LL50(48h) >1000 mg/L (Daphnia magna)

12.2 Persistence and Degradability

Bitumen expected to be persistent.

12.3 Bioaccumulative potential

Bitumen has the potential to bioaccumulate.

12.4 Mobility in soil

Not available

12.5 Results of PBT and vPvB assessment

Not available

12.6 Other adverse effects

Not available



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Packing

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

SECTION 14: Transport information

14.1 Un number

ADR/RID: -

IMDG: -

IATA: -

14.2 Proper shipping name

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazard

Marine Pollutant: N/A

14.6 Special precautions for user

Not available

14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code

Not available

SECTION 15: Regulatory information

This SDS complies with the following requirements of:

EU Regulation (EC) No.1907/2006 (REACH) including amendments

Regulation (EC) No.1272/2008 (CLP)

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

Not available

15.2 Chemical safety assessment

Not available

SECTION 16: Other information

Full text of Hazards Statements referred to in section 3:

Ox. Sol. - Oxidising solid

Acute Tox. - Acute toxicity

Skin Corr. - Skin corrosion

Skin Sens. - Skin sensitization

Resp. Sens. - Respiratory sensitization



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Muta. - Germ cell mutagenicity
Carc. - Carcinogenicity
Repr. - Reproductive toxicity
STOT RE - Specific target organ toxicity — repeated exposure
Aquatic Acute - Hazardous to the aquatic environment
Aquatic Chronic - Hazardous to the aquatic environment
H271: May cause fire or explosion; strong oxidiser.
H301: Toxic if swallowed.
H311: Toxic if inhaled.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H330: Fatal if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H340: May cause genetic defects.
H350: May cause cancer.
H361f: Suspected of damaging fertility.
H372: Causes damage to organs through prolonged or repeated exposure.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Training advice: Before using/handling the product one must read carefully present SDS.

Key Legend Information:

CAS - Chemical Abstract Service
ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NTP - National Toxicology program
IARC - International Agency for Research on Cancer
N/A - Not available
H - statements- Hazard statements
TLV - Threshold Limit Value
TWA - Time-weighted average
STEL - Short-Term Exposure Limit
CSA - Chemical safety assessment

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