

Section 1. Identification of the mixture and of the company/undertaking

1.1. Product identifier:

Trade name: **POLIFIMBITOL**
 CAS number: Not applicable
 EC number: Not applicable
 Chemical description: Mixture of bitumen, elastomeric aditiv, organic solvent and filler

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

Recommended use:
 Mixture in form of paste for waterproofing under the cold procedure.

PodSection 1.3. Details of the supplier of the safety data sheet

Supplier: "FIM" Kanjiža
 Address: Put NarodnihHeroja 12, 24420 Kanjiža, Srbija
 Phone: +381-(0)24-874-700
 Fax: +381-(0)24-875-165
 e-mail: info@fim.co.rs
 Web: www.fim.co.rs

PodSection 1.4. Emergency telephone number

Supplier: +381-24-874-700 (8-16 h)

Section 2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to regulation criteria 1272/2008 (CLP):

Flam.liq.3	H226
Skin irrit.2	H315
Repr. 2	H361 d
STOT SE 3	H336
STOT RE 2	H373
Asp.tox.1	H304

The complete text of H phrases is specified in Section 16.

2.2. Label elements

Classification according to regulation criteria 1272/2008 (CLP):

Signal word: Warning
 GHS pictogram: GHS02 GHS08 GHS07



Hazard statements:
 H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.
 H361d Suspected of damaging the unborn child.
 H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
 P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection. [As modified by IV ATP]



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P405 Store locked up.
P501 Dispose of contents/container in accordance with local/national/international regulation.

2.3. Other hazards
vPvB substances: none
PBT substances: none.

Section 3. Composition/information on ingredients

3.1. Substances
Not applicable.

3.2. Mixtures

Identifiers	Name	Concentration %	Classification Regulation (EC) No 1272/2008	Classification Directive 67/548/CEE
CAS No: 108-88-3 EINECS: 203-625-9 Index Noj 601-021-00-3 Registration No: 05-2117822-444-47-0000	Toluene	20 - 30	Flam. liq. 2; H225 Skin irrit. 2; H315 Repr. 2; H361d STOT SE 3; H336 STOT RE 2; H373 Asp. tox. 1; H304	F R11 Repr. cat. 3; R63 Xn R48/20-65 Xi R38 R67

Section 4. First aid measures

4.1. Description of first aid measures

Inhalation: Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact: If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Protect uninjured eye.

Skin contact: Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion: If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation: Harmful: danger of serious damage to health by prolonged exposure through inhalation. May cause drowsiness or dizziness. Inhalation may cause the following symptoms: cough, sore throat, headache, nausea, loss of consciousness.

Eye contact: May cause eye irritation. Eye contact can cause redness and pain.

Skin contact: Irritating to the skin. Skin contact can cause the following symptoms: redness.

Ingestion: Repeated exposure may cause skin dryness or cracking. Harmful, may cause lung damage if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Section 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Extinguishing media which must not be used for safety reasons: Do not use direct stream of water to extinguish.

5.2. Special hazards arising from the substance or mixture

Hazards from the substance or mixture: Flammable. In case of fire or exposure to heat closed containers may burst.



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Hazardous thermal decomposition products:

Decomposition products may include the following materials: carbon dioxide, carbon monoxide.

5.3. Advice for firefighters

Advice for firefighters:

Use water to cool tanks, cisterns or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Special protective equipment for firefighters:

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for firefighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flames, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

Intervention should be carried out by qualified personnel with appropriate protective equipment.

6.2. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4. Reference to other sections

See also Section 8 and 13.

Section 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised.

Before handling the product, consult all the other sections of this safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see Section 10 for details.

7.3. Specific end use(s)

Not known.

Section 8. Exposure controls/personal protection

8.1 Control parameters



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Occupational exposure limits:

Name of substance	EINECS	CAS	OEL				Notation
			(8 hours)		(short time 15 min)		
			mg/m ³	ppm	mg/m ³	ppm	
Toluene	203-625-9	108-88-3	192	50	384	100	

OEL EU Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC.

8.2. Exposure controls

Respiratory protection:	Use adequate protective respiratory equipment. (ref. EN 136, EN 140, EN 141, EN 143, EN 149, EN 405). Recommended filter tip A (EN 141).
Protection for hands:	Use protective gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber. (ref. EN 374).
Eye protection:	Use close fitting safety goggles. (ref. EN 166, EN 140, EN175).
Protection for skin:	Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton. (ref. EN 340).
Hygiene measures:	Work in accordance of good industrial and safety practice. When handling with this product, smoking is prohibited. After each break to wash your hands and take off the contaminated clothes.
Technical measures:	Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system. Take the all necessary measures to avoid static electricity discharge.
Environmental exposure controls:	Minimise discharge into the environment. Do not flush into ground, surface water or sewage system. Dispose of waste in accordance with local legislation.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Black viscous liquid
Odour:	Characteristic
Odour threshold:	Not available
pH:	Not available
Melting point / freezing point:	Not available
Boiling range:	110 – 130 °C
Flash point:	≥35 °C
Evaporation rate:	Not available
Flash point:	Not available
Upper/lower flammability or explosive limits	1-15 %vol
Vapour pressure::	36 mmHg (20°C)
Vapour density:	3,4
Relative density:	Not available
Solubility:	Not available
Partition coefficient: n-octanolwater:	Not available
Auto-ignition temperature:	245 °C
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

9.2. Other information

VOC: 30 %

Section 10. Stability and reactivity

10.1. Reactivity	Flammable liquid. Stable under normal conditions. Also see Section 10.5.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	The vapors can form an explosive mixture with air.
10.4. Conditions to avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Also see Section 7
10.5. Incompatible materials	Strong oxidizers, acids and bases. Also see Section 7.
10.6. Hazardous decomposition products	Not known.

Section 11. Toxicological information

11.1. Information on toxicological effects

There are no tested data available on the product.

a) acute toxicity:

Toxicological information of the substances found in the mixture:

Toluene (108-88-3)

Rat: LD50 – Route: Inhalation; Dose: 12.5 mg/L/4H

LD50 – Route: Inhalation; Dose: >26700 ppm/1H

LD50 – Route: Oral; Dose: 636 mg/kg

Rabbit: LD50 – Route: Dermal; Dose: 8390 mg/kg

- b) skin corrosion/irritation: Causes skin irritation.
- c) serious eye damage/irritation: Causes serious eye irritation.
- d) respiratory or skin sensitisation: May cause an allergic skin reaction.
- e) germ cell mutagenicity: Not conclusive data for classification.
- f) carcinogenicity: Not conclusive data for classification.
- g) reproductive toxicity: Suspected of damaging the unborn child.
- h) STOT-single exposure: May cause drowsiness or dizziness.
- i) STOT-repeated exposure: Repeated exposure may cause skin dryness or cracking.
- j) aspiration hazard. May be fatal if swallowed and enters airways.

Section 12. Ecological information

12.1. Toxicity

Ecological information of the mixture:

Not regarded as dangerous for the environment.

Toluene (108-88-3)

Acute

Fish LC50(Oncorhynchusgorbuscha):

5,4 mg/l, 96 hours

Crustacea LC50 (Daphnia magna):

11,5 mg/l, 48 hours

Chronic

Fish NOEC (Oncorhynchusgorbuscha):

1,4 - 4 mg/l, 21 days

Crustacea NOEC (Daphnia magna):

0,53 - 1 mg/l, 21 days

12.2. Persistence and degradability

Ecological information of the mixture:

Biodegradability: Data not available.

12.3. Bioaccumulative potential

Ecological information of the mixture:

Bioaccumulation: Data not available.

12.4. Mobility in soil

Ecological information of the mixture:

Mobility in soil: Data not available.

12.5. Results of PBT and vPvB assessment

Ecological information of the mixture:

Data not available.

12.6. Other adverse effects

None

Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

Section 13. Disposal considerations

13.1 Waste treatment methods

Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Methods of disposal:

Reuse product, when possible. Product residues and packaging should be considered as hazardous waste.

Residues of product:

Product residues must be recovered or disposed of in compliance with national waste management regulations.

Contaminated packaging: Empty containers may still contain hazardous residues. Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations. Disposal must be performed through an authorised waste management firm.

Additional ecological information: Do not contaminate soil, sewers and waterways.


Follow the provisions of Directive 91/689/EEC regarding waste management.

Section 14. Transport information

14.1. UN number UN 1139

14.2. UN proper shipping name
 Proper Shipping Name: COATING SOLUTION

14.3. Transport hazard class(es)
 Road (ADR): Class 3
 Air (ICAO/IATA): Class 3
 Sea (IMO/IMDG): Class 3
 Hazard Identification Number (The Kemler Code): 30
 Tunnel restriction code: (D/E)



14.4. Packing group
 ADR-Packing Group III

14.5. Environmental hazards
 Environmental Pollutant: No

14.6. Special precautions for user Not available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not available

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
 Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) No 1907/2006 (REACH).
 For non-EU Countries, the Material Safety Data Sheet it is prepared following the main principles of Globally Harmonized System of Classification and Labelling of Chemicals (GHS) which are adopted worldwide.
 This safety data sheet has been completely updated in compliance to Regulation (CE) No 453/2010.

15.2. Chemical safety assessment
 No

Section 16. Other information

Abbreviations and acronyms:
 Flam. liq. 3 - Flammable liquids - Category 3
 Skin irrit. 2 - Skin corrosion/irritation - Category 2
 Repr. 2 - Reproductive toxicity - Category 2
 STOT SE 3 - Specific target organ toxicity - single exposure - Category 3
 STOT RE 2 - Specific target organ toxicity - repeated exposure - Category 2
 Asp. tox. 1 - Aspiration hazard - Category 1
 Full text of phrases referred to in Section 3:
 H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H336 Harmful if inhaled.
 H361d Suspected of damaging the unborn child.
 H373 May cause damage to organs through prolonged or repeated exposure.
 R11 Highly flammable.
 R38 Irritating to skin.
 R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.



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R63 Possible risk of harm to the unborn child.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

F - Highly flammable

T - Toxic

Xn - Harmful

Xi - Irritant

N - Dangerous for the environment

CAS - Chemical Abstracts Service (division of the American Chemical Society).

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP - Classification, Labelling and Packaging Regulation according to 1272/2008/EC

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

ADR - Accord européen relatif au transport international des marchandises Dangereuses par Route

RID - Regulations Concerning the International Transport of Dangerous Goods by Rail

ADN - Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin

IMDG - International Maritime Dangerous Goods Code

IMO - International Maritime Organization

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

OEL - Occupational Exposure Limit

LC50 - Lethal concentration, for 50 percent of test population.

LD50 - Lethal dose, for 50 percent of test population.

EC50 - Srednja efektivna koncentracija

NOAEC - No Observed Adverse Effect Concentration

NOAEL - No observed adverse effect level

NOEL - No Observable Effect Level

LEL - Lower Explosive Limit/Lower Explosion Limit

UEL - Upper Explosion Limit/Upper Explosive Limit

STEL - Short Term Exposure Limit

VOC - Volatile organic compounds

1. European Chemicals Agency (www.echa.europa.eu)

2. European chemical Substances information System (<http://esis.jrc.ec.europa.eu/>)

3. Concawe report no. 11/10 - Hazard classification and labeling of petroleum substances in the European Economic Area - 2010 (<http://www.concawe.be>)

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.



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