

SAFETY DATA SHEET  
**FIMIZOL-EXPRESS**  
BUILDING BITUMINOUS PRIMER SOLVENT BASED

SDS 03 Rev. 2, December 2011

**Edition:**

The present Safety Data Sheet is in the version written on top-right of this page.

FIM - Kanjiža assure the holder the continuous updating of the document by request.

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**CLASS:**  
**3**

**PACKAGING'S GROUP:**  
**II**

**UN NUMBER:**  
**UN 1263**

**1. IDENTIFYING PARTICULARS OF THE ARTICLE AND OF THE MANUFACTURING COMPANY/FIRM**

1.1	Product name:	<b>FIMIZOL EXPRESS – BUILDING BITUMINOUS PRIMER SOLVENT BASED</b>
1.2	Manufacturer:	<b>FABRIKA IZOLACIONIH MATERIJALA d.o.o.</b>
1.2.1	Production plant:	Put Narodnih Heroja 12, 24420 KANJIŽA, SERBIA
1.3	In case of emergency	telephone: +381-24-874-700 Apply the First Aid and Fire regulations described below.

**2. INFORMATION ON CONSTITUENTS**

The product is based on a mix of bitumen and parts of toluene, xylene, solvent naphtha (petroleum) and others.

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

<50 % xylene, 601-022-00-9 1330-20-7 215-535-7 Xn R10 R20/21 R38

<55 % Toluene, 601-021-00-3 108-88-3 203-625-9 F Xn R11 R20

<10 % Solvent naphtha (petroleum), light arom 649-356-00-4 64742-95-6 265-199-0 N Xn R10 R37 R51/53  
R66 R67 R65

<7 % ethyl acetate, 607-022-00-5 141-78-6 205-500-4 F Xi R11 R36 R66 R67

<4 % methylamine (di-) 612-001-00-9 124-40-3 204-697-4 F+ Xn R12 R20 R37/38 R41

<1 % hexamethylenediamine 612-104-00-9 124-09-4 204-679-6 C R21/22 R34 R37

<5 % 1,2-dichloropropane 602-020-00-0 78-87-5 201-152-2 F Xn R11 R20/22

<5 % butanol 603-004-00-6 78-83-1 201-148-0 Xn R10 R20

<1 % 2-butoxyethanol 603-014-00-0 111-76-2 203-905-0 Xn R20/21/22 R36/38

<1 % methanol 603-001-00-X 67-56-1 200-659-6 F T R11 R23/24/25 R39/23/24/25

<1 % butanone; ethyl methyl ketone 606-002-00-3 78-93-3 201-159-0 F Xi R11 R36 R66 R67

<1 % tetrahydrofuran 603-025-00-0 109-99-9 203-726-8 F Xi R11 R19 R36/37

<1 % Isopropyl alcohol 603-003-00-0 67-63-0 200-661-7

**3. HAZARD WARNINGS**

The product easily catches fire if it is exposed to an ignition source.

The product is harmful following acute exposure to it and poses a serious health threat if inhaled or brought into contact with the skin.

If brought into contact with the eyes, the product causes irritation that may last for over 24h, if inhaled, it causes irritation to the airways, and if brought into contact with the skin it causes significant inflammation with erythema, scabs, and oedema.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**4. FIRST AID MEASURES**

**Contact with skin:** Immediately take off all contaminated clothing. Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

**Contact with eyes:** Wash immediately and thoroughly with running water, keeping eyelids raised, for 10 minutes minimum. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief. OBTAIN A MEDICAL EXAMINATION. Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

**Swallowing:** Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY. Give liquid paraffin to drink; do not give milk or animal or vegetable fats of any kind.

**Inhalation:** Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. OBTAIN MEDICAL ATTENTION.

**5. FIREFIGHTING MEASURES**

**Risks arising from combustion:** Avoid inhaling the fumes.

**Protective equipments:** Use protection for the respiratory tract. Cool the containers exposed to the fire with water.

**6. MEASURES IN CASE OF ACCIDENTAL SPILLAGE/RELEASE**

**Measures for personal safety:** Use a mask, gloves and protective clothing.

**Environmental measures:** Limit leakages with earth or sand. Eliminate all unguarded flames and possible sources of ignition. Do not smoke. If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities in your country.

**Cleaning methods:** Rapidly recover the product. To do so, wear a mask and protective clothing. If the product is in a liquid form, stop it from entering the drainage system. Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material. After the product has been recovered, rinse the area and materials involved with water.

**7. HANDLING, STORAGE AND APPLICATION**

**Handling precautions:** Avoid contact and inhalation of the vapours. See paragraph 8 below, too. Do not eat or drink while working. Do not smoke while working.

**Incompatible materials:** None in particular. See paragraph 10 below, too.

**Storage conditions:** Always keep the containers tightly closed. Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight. Keep away from flame and sparks. Avoid accumulating electrostatic charge.

**Instructions as regards storage premises:** Cool and adequately ventilated. Safety electric system.

**8. EXPOSURE CONTROL AND PERSONAL PROTECTION**

**Precautionary measures:** Give adequate ventilation to the premises where the product is stored and/or handled.

**Respiratory protection:** Use adequate protective respiratory equipment where ventilation is insufficient or exposure is prolonged, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

**Protection for hands:** Use protective gloves that provides full protection, e.g. P.V.C., neoprene or rubber.

**Eye protection:** Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE [1].

**Protection for skin:** Use clothing that provides full protection to the skin, e.g. cotton, rubber, PVC or viton.

**Exposure limit(s) (ACGIH):**

Substance Name	TLV - TWA	TLV - STEL
xylene	434 mg/m <sup>3</sup> , 100 ppm	651 mg/m <sup>3</sup> , 150 ppm
Toluene	377 mg/m <sup>3</sup> , 100 ppm	565 mg/m <sup>3</sup> , 150 ppm
ethyl acetate	1440 mg/m <sup>3</sup> , 400 ppm	
methylamine (di-)	18 mg/m <sup>3</sup> , 10 ppm	
1,2-dichloropropane	347 mg/m <sup>3</sup> , 75 ppm	508 mg/m <sup>3</sup> , 110 ppm
Butanol	152 mg/m <sup>3</sup> , 50 ppm	
2-butoxyethanol	121 Skin mg/m <sup>3</sup> (1987)	
methanol	262 mg/m <sup>3</sup> , 200 ppm	328 skin mg/m <sup>3</sup> (1976)
butanone; ethyl methyl ketone	590 mg/m <sup>3</sup> , 200 ppm	885 mg/m <sup>3</sup> , 300 ppm
tetrahydrofuran	590 mg/m <sup>3</sup> , 200 ppm	737 mg/m <sup>3</sup> , 250 ppm
Isopropyl alcohol	983 mg/m <sup>3</sup> , 400 ppm	1230 mg/m <sup>3</sup> , 500 ppm

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Colour and consistency: black liquid

Odour: organic solvents

pH: Neutral

Boiling point: 80-190°C

Flash point: <21°C

Autoignition temperature: 245°C

Explosive properties: 1-15% in volume (solvent)

Relative density: 0,90-1,00 kg/l

Hydrosolubility: Partially miscible with water

Lipid solubility: Yes

**10. STABILITY AND REACTIVITY**

**Conditions to avoid:** Avoid accumulating electrostatic charge.

**Substances to avoid:** Avoid contact with combustible materials. The product could catch fire.

**Hazardous decomposition products:** None.

**11. TOXICOLOGICAL INFORMATION**

The concentration of each substance should be considered in assessing the toxicological effects deriving from the exposition to the product.

Set out below is the toxicological information relating to the main substances used in the product.

Toluene:	LD50 (RABBIT) SKIN: 14 G/KG (14000 MG/KG)
	LD50 (RAT) YOUNG ADULTS ORAL: 5542 MG/KG BW
ethyl acetate	LD50 (RABBIT) ORAL: 4935 MG/KG
methylamine (di-)	LD50 (RAT) ORAL: 698 MG/KG
1,2-dichloropropane	LD50 (RABBIT) SKIN: 8750 MG/KG
Butanol	LD50 (RAT) ORAL: 2460 MG/KG
2-butoxyethanol	LD50 (RABBIT) ORAL: 320 MG/KG
methanol	LD50 (RAT) ORAL SINGLE DOSE: 5628 MG/KG
	LD50 (RABBIT) SKIN SINGLE DOSE: 15800 MG/KG
butanone; ethyl methyl ketone	LD50 (RABBIT) SKIN: 13 G/KG (13000 MG/KG)

**12. ENVIRONMENTAL CONSIDERATIONS**

Use and apply the product according to good working practices, so that the product is not released into the environment.

**13. DISPOSAL CONSIDERATIONS**

Recover, if possible. The correct way for disposal is sending the product to an authorized dump. See local and national regulations on this.

**14. TRANSPORT INFORMATION**

<b>UN Number:</b>	<b>1263</b>
<b>Kemler Number:</b>	<b>33</b>
<b>Label:</b>	<b>3</b>
<b>Class+Packing group:</b>	<b>3,II</b>

**15. REGULATORY INFORMATION**

This product must be considered as a Dangerous material, within the meaning of 88/379/CEE directive (Classification and Labelling).

**Symbols:**

Xn Harmful

F Highly flammable

<b>R Phrases:</b>	R11	Highly flammable.
	R20/21	Harmful by inhalation and in contact with skin.
	R36/37/38	Irritating to eyes, respiratory system and skin.
	R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

<b>S Phrases:</b>	S16	Keep away from sources of ignition - No smoking.
	S26	In case of contact with eyes, rinse immediately with plenty of

	water and seek medical advice.
S29	Do not empty into drains.
S33	Take precautionary measures against static discharges.
S43	In case of fire, use foam, CO <sub>2</sub> , water nebulized.
S60	This material and its container must be disposed of as hazardous waste.
S61	Avoid release to the environment. Refer to special instructions/Safety data sheets.
S25	Avoid contact with eyes.
S36/37	Wear suitable protective clothing and gloves.
S7	Keep container tightly closed.
	Toluene, xylene

Contents:

Where applicable, refer to the following Italian laws: Presidential Decree D.P.R. 303/56 (Health checks). Ministerial circulars 46 e 61 (Aromatic amines). Law 136/83 (Biodegradability of detergents). Presidential Decree D.P.R. 175/88 (Seveso Directive), Appendices II°, III° e IV°. Presidential Decree D.P.R. 250/89 (Labelling of detergents).

## 16. OTHER INFORMATION

Main bibliographic sources: NIOSH - Registry of toxic effects of chemical substances (1983), I.N.R.S. - Fiche Toxicologique, CESIO - Classification and labelling of anionic, nonionic surfactants (1990), CDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities, SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold, ACGIH - Threshold Limit Values - 1993/94 edition.

The information contained herein is based on our state of knowledge at the above-specified date. It refers only to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This Safety Data Sheet cancels and replaces any preceding release.

Text of R phrases referred to under heading 2:

- R10 Flammable.
- R20/21 Harmful by inhalation and in contact with skin. R38 Irritating to skin.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R37 Irritating to respiratory system.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
- R65 Harmful: may cause lung damage if swallowed.
- R36 Irritating to eyes.
- R12 Extremely flammable.
- R37/38 Irritating to respiratory system and skin.
- R41 Risk of serious damage to eyes.
- R21/22 Harmful in contact with skin and if swallowed.
- R34 Causes burns.
- R20/22 Harmful by inhalation and if swallowed.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R36/38 Irritating to eyes and skin.
- R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
- R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R19 May form explosive peroxides.
- R36/37 Irritating to eyes and respiratory system.