

Material Safety Data Sheet

According to 91/155 EEC

Printing date 04.04.2007

Reviewed on 21.03.2007

1 Identification of the substance/preparation and of the company/undertaking**Product details**Trade name **Plastikol 1 S**

Safety data sheet no.: 49PD10413/6

Application of the substance / the preparation Bitumen sealing

Manufacturer/Supplier:

maxit France s.a.s
 4 rue de Mulhouse
 Boîte Postale 27
 F-68180 Horbourg-Wihr
 Tel.: ++33(0)3 89 20 10 80
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Information in case of emergency:

maxit France s.a.s
 Tel.: ++33(0)3 89 20 10 80

2 Composition/information on ingredients**Chemical characterization**

Description: Preparation on the base of bitumen, solvents and ancillary substances

Dangerous components:

1330-20-7	xylene, mixed isomers, pure  Xn,  Xi; R 10-20/21-38	10 - 20%
64742-47-8	Distillates (petroleum),hydrotreated light  Xn,  N; R 10-51/53-65-66-67	10 - 20%
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy  Xn,  N; R 10-51/53-65-66-67	2 - 5%

Additional information For the wording of the listed risk phrases refer to section 16.

3 Hazards identification**Hazard description:**

Xn Harmful

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 10 Flammable.

R 20/21 Harmful by inhalation and in contact with skin.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

EU

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4 First aid measures**General information**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

After swallowing

Rinse out mouth with water. Do not induce vomiting. Seek medical attention and present this data sheet.

Information for doctor**The following symptoms may occur:**

Headache

Dizziness

Nausea

Dizziness

5 Fire fighting measures**Suitable extinguishing agents**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents Water with full jet

Special hazards caused by the substance, its products of combustion or resulting gases:

Carbon monoxide (CO)

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures**Person-related safety precautions:**

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources

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Measures for environmental protection:

The product must not get into watercourses
or into the soil.

Inform respective authorities in case of seepage into water
course or sewage system.

Suppress gases/fumes/haze with water spray.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

7 Handling and storage**Handling****Information for safe handling:**

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Information about fire - and explosion protection:

Fumes can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

Storage

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility:

Store away from oxidizing agents.

Store away from foodstuffs.

Further information about storage conditions:

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

CAS No.	Designation of material	%	Type	Value	Unit
1330-20-7	xylylene, mixed isomers, pure				
IOELV ()	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin				

Additional information:

Te applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

Personal protective equipment:**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Do not inhale gases / fumes / aerosols.

Respiratory protection:

In case of brief exposure or low pollution use respiratory
filter device. In case of intensive or longer exposure use self-
contained respiratory protective device.

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Short term filter device:

Filter AX.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber, BR

Nitrile rubber, NBR

Fluorocarbon rubber (Viton)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed goggles**Body protection:** Protective work clothing.**9 Physical and chemical properties:****General Information**

Form:	Pasty
Colour:	Black
Odour:	Aromatic

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	137-200°C (279-392°F)

Flash point:	25°C (77°F) (DIN ISO 2592)
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Ignition temperature:	ca.240°C (ca.464°F)
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Self-igniting:	Product is not selfigniting.
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Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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Explosion limits:

Lower:	0,6 Vol %
Upper:	8,0 Vol %

Vapour pressure at 20°C (68°F):	4,0 hPa (3 mm Hg) (DIN 51640)
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Density at 20°C (68°F):	1,11 g/cm ³ (DIN 51757)
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Bulk density:	Not applicable.
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Solubility in / Miscibility with Water:	Unsoluble
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pH-value:	Not applicable.
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Viscosity:

dynamic at 20°C (68°F):	500 mPas (DIN 53019)
kinematic at 40°C (104°F):	>7,0 mm ² /s (DIN ISO 2431)

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Solvent content:**Organic solvents:** 32,9 %**Additional information:** None.**10 Stability and reactivity****Thermal decomposition / Conditions to be avoided:**

No decomposition if used according to specifications.

Dangerous reactions: Reacts with strong acids and oxidizing agents**Dangerous decomposition products:** No dangerous decomposition products known.**11 Toxicological information****Acute toxicity:****LD/LC50 values relevant for classification:**

Components	Type	Value	Species
64742-93-4 Bitumen			
Oral	LD50	>5000 mg/kg	(rat)
1330-20-7 xylene, mixed isomers, pure			
Oral	LD50	4300 mg/kg	(rat)
Dermal	LD50	2000 mg/kg	(rbt)
Inhalative	LC50/4 h	29 mg/l	(rat)
1317-65-3 limestone			
Oral	LD50	> 5000 mg/kg	(rat)
64742-47-8 Distillates (petroleum),hydrotreated light			
Oral	LD50	> 2000 mg/kg	(rat)
Dermal	LD50	> 2000 mg/kg	(rabbit)
Inhalative	LC50/4 h	> 5 mg/l	(rat)
64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy			
Oral	LD50	>2000 mg/kg	(rat)
Dermal	LD50	>2000 mg/kg	(rat)
Inhalative	LC50/4 h	>5 mg/l	(rat)

Primary irritant effect:**on the skin:** Irritant to skin and mucous membranes.**on the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Harmful

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological information:**Information about elimination (persistence and degradability):****Other information:** The product is difficultly biodegradable.

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Ecotoxical effects:**Aquatic toxicity:****Type of test** Effective concentration Method Assessment**64742-47-8 Distillates (petroleum),hydrotreated light**

IC50/72h < 10 mg/l (Alge)

LC50/96h < 10 mg/l (fish)

Remark:

The product contains substances which causes severe clouding in water

Harmful to fish

General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

13 Disposal considerations**Product:****Recommendation**

After prior treatment product has to be landfilled or incinerated adhering to the regulations pertaining to the disposal of especially hazardous waste.

Waste disposal key:

The classification in a waste code according to the european waste catalogue (EWC) is to be made in accordance with the regional responsible for waste disposal

Uncleaned packaging:**Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Disposal must be made according to official regulations.

14 Transport information**Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**

ADR/RID-GGVS/E Class: -

Maritime transport IMDG/GGVSea:

IMDG/GGVSea Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3
 UN/ID Number: 1999
 Label: 3
 Packaging group: III

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Proper shipping name: TARS, LIQUID

15 Regulatory information**Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Observe the general safety regulations when handling chemicals.

Code letter and hazard designation of product:

Xn Harmful

Hazard-determining components of labelling:

xylene, mixed isomers, pure

Risk phrases:

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

23 Do not breathe fumes.

24/25 Avoid contact with skin and eyes.

27 Take off immediately all contaminated clothing.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

51 Use only in well-ventilated areas.

60 This material and its container must be disposed of as hazardous waste.

National regulations**Information about limitation of use:**

Employment restrictions concerning pregnant and lactating women must be observed.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

Department issuing MSDS: Product safety department

Contact: Mr Gilles Weber, Tel.: ++33(0)3 89 20 10 93

*** Data compared to the previous version altered.**