

**PLAKA – PLAKAPROOF PRIMER  
PRIMER FOR PLAKAPROOF FA**

REF 08.05.04 - Version V01 – 21/12/2020



**1. Identification of the substance/preparation and of the company/undertaking**

**1.1 Product details**

Trade name: PLAKAPROOF PRIMER  
Application of the substance / the preparation : Primer

**1.2 Supplier:**

Plakabeton N.V.  
Industrielaan 2  
B – 1740 TERNAT  
TEL : +32(0)2 582 29 45  
FAX : +32(0)2 582 19 62  
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**2. Composition/information on ingredients**

**2.1 Chemical characterization**

Description: Mixture of substances listed below with nonhazardous additions.









**2.2 Dangerous components:**

CAS: 110-82-7 EINECS: 203-806-2	cyclohexane Xn, Xi, F, N; R 11-38-50/53-65-67	25-50%
	Danger:  2.6/2;  3.10/1	
	Warning:  4.1.C/1;  3.2/2, 3.8/3	
Low boiling point hydrogen treated naphtha	Xn, Xi, F, N; R 11-38-51/53-65-67	10-25%
	Danger:  2.6/2;  3.10/1	
	Warning:  3.2/2, 3.8/3;  : 4.1.C/2	

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CAS: 141-78-6 EINECS: 205-500-4	ethyl acetate  Xi,  F, R 11-36-66-67	2.5-10%
	Danger:  2.6/2	
	Warning:  3.2/2, 3.8/3	
CAS: 136-23-2 EINECS: 205-232-8	bis(dibutyldithiocarbamate) de zinc  Xi,  N; R 36/37/38-43-50/53	≤ 2.5%
	Warning:  4.1.C/1;  3.2/2, 3.3/2, 3.4.S/1, 3.8/3	

**Additional information::**

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

**3. Hazards identification**

**Hazard description:**



Xi Irritant  
F Highly flammable  
N Dangerous for the environment

**Information concerning particular hazards for human and environment::**

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

Has a narcotizing effect.

- R 11 Highly flammable.
- R 38 Irritating to skin.
- R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 67 Vapours may cause drowsiness and dizziness.

**Classification system:**

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

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**GHS label elements**



Danger

H225 - Highly flammable liquid and vapour.



Warning

H410 - Very toxic to aquatic life with long lasting effects.



Warning

H315 - Causes skin irritation.

H336 - May cause drowsiness or dizziness

Contains zinc bis(dibutyldithiocarbamate). May produce an allergic reaction.

**Prevention:**

- P210 : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P233 : Keep container tightly closed.
- P240 : Ground/bond container and receiving equipment.
- P241 : Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 : Use only non-sparking tools.
- P243 : Take precautionary measures against static discharge.
- P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 : Wash thoroughly after handling.
- P271 : Use only outdoors or in a well-ventilated area
- P273 : Avoid release to the environment.
- P280 : Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

- P302+P352 : IF ON SKIN: Wash with plenty of soap and water.
- P303+P361+P353 :: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 : Call a POISON CENTER or doctor/physician if you feel unwell.
- P321 : Specific treatment (see on this label).
- P332+P313 : If skin irritation occurs: Get medical advice/attention.
- P362 : Take off contaminated clothing and wash before reuse.
- P370+P378 : In case of fire: Use for extinction: CO2, powder or water spray.
- P391 : : Collect spillage.

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**Storage:**

P403+P233 : Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 : Store in a well-ventilated place. Keep cool  
P405 : Store locked up.

**Disposal:**

P501 : Dispose of contents/container in accordance with local/regional/national/international regulations.

**4. First-aid measures**

After inhalation: In case of unconsciousness place patient stably in side position for transportation.  
After skin contact: Immediately wash with water and soap and rinse thoroughly.  
After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.  
After swallowing: If symptoms persist consult doctor.

**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  
Protective equipment:: No special measures required.

**6 Accidental release measures**

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.  
Measures for environmental protection: Prevent seepage into sewage system, workpits and cellars. Inform respective authorities in case of seepage into water course or sewage system.  
Measures for cleaning/collecting: Do not allow to enter sewers/ surface or ground water. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

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**7. Handling and storage**

**Handling:**

Information for safe handling:  
Information about fire and explosion protection:

Ensure good ventilation/exhaustion at the workplace.

Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges..

**Storage:**

Requirements to be met by storerooms and receptacles:  
Information about storage in one common storage facility:  
Further information about storage conditions:

Store in a cool location.

Not required.

Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

**8. Exposure controls/personal protection**

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

Ingredients with limit values that require monitoring at the workplace:	
110-82-7 cyclohexane (25-50%)	
WEL	Short-term value: 1050 mg/m <sup>3</sup> , 300 ppm Long-term value: 350 mg/m <sup>3</sup> , 100 ppm
141-78-6 ethyl acetate (2.5-10%)	
WEL	Short-term value: 400 ppm Long-term value: 200 ppm

**Additional information:** The lists valid during the making were used as basis.

**8.2 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.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the skin.  
Avoid contact with the eyes and skin.

**MATERIAL SAFETY DATASHEET**

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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. Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Material of gloves

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

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

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**9. Physical and chemical properties**

General Information.

Form:	Fluid
Colour:	Black
Odour:	Characteristic
Change in condition :	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	60°C
Flash point:	-20°C
Ignition temperature:	260°C
Self-igniting:	Product is not self igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	1.2 Vol %
Upper:	8.3 Vol %
Vapour pressure at 20°C:	155 hPa
Density at 20°C:	0.84 g/cm <sup>3</sup>
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Viscosity:	
Dynamic at 20°C:	900 mPas
Solvent content:	
Organic solvents:	63.4 %
Solids content:	36.3 %
Additional information:	Solids contain polymers, resins, additives and filler.

**10. Stability and reactivity**

Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Dangerous reactions :	No dangerous reactions known.
Dangerous decomposition products:	No dangerous decomposition products known.

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**11 Toxicological information**

Acute toxicity:

LD/LC50 values relevant for classification:		
110-82-7 cyclohexane		
Oral	LD50	12705 mg/kg (rat)

Primary irritant effect:

on the skin:

Irritant to skin and mucous membranes.

on the eye:

No irritating effect.

Sensitization:

No sensitizing effects known.

Additional toxicological information:

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:  
Irritant

**12. Ecological information**

Ecotoxicological effects:

Remark:

Very toxic for fish

General notes:

Water hazard class 2 (German Regulation) (Self-assessment):

hazardous for water  
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.  
Also poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms.

**13. Disposal considerations**

**Product:**

**Recommendation :** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue	
08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

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**14. Transport information**

<b>Land transport ADR/RID (cross-border)</b>	
	
ADR/RID class:	3 (F1) Flammable liquids.
Danger code (Kemler):	33
UN-Number:	1133
Packaging group:	III
Hazard label	3
Special marking:	Symbol (fish and tree)
Description of goods:	1133 ADHESIVES, special provision 640H
<b>Maritime transport IMDG:</b>	
	
IMDG Class:	3
UN Number:	1133
Label :	3
Packaging group:	III
EMS Number:	F-E,S-D
Marine pollutant:	No
Proper shipping name:	ADHESIVES
<b>Air transport ICAO-TI and IATA-DGR:</b>	
	
ICAO/IATA Class:	3
UN/ID Number:	1133
Label	3
Packaging group:	III
Proper shipping name:	ADHESIVES

UN "Model Regulation": UN1133, ADHESIVES, 3, III

Environmental hazards: Environmentally hazardous substance, liquid; Marine Pollutant

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**15. Regulatory information**

**Labelling according to EU guidelines:**

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

**Code letter and hazard designation of product:**



Xi Irritant  
F Highly flammable  
N Dangerous for the environment

**Risk phrases:**

11 Highly flammable.  
38 Irritating to skin.  
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
67 Vapours may cause drowsiness and dizziness.

**Safety phrases:**

3 Keep in a cool place.  
9 Keep container in a well-ventilated place.  
16 Keep away from sources of ignition - No smoking.  
21 When using do not smoke.  
23 Do not breathe fumes.  
57 Use appropriate container to avoid environmental contamination.

**Special labeling of certain preparations:**

Contains zinc bis(dibutyldithiocarbamate). May produce an allergic reaction.

**National regulations:**

**Technical instructions (air):**

Class	Share in %
NK	63.4

**Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water..

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**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**

11	Highly flammable.
36	Irritating to eyes.
36/37/38	Irritating to eyes, respiratory system and skin.
38	Irritating to skin.
43	May cause sensitisation by skin contact.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.

**Abbreviations and acronyms:**

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

\* Data compared to the previous version altered.