

# Veiligheidsblad

## Mavodux polymeerprimer

Bestelnr. 631391

## Safety Data Sheet - Primer for SynkoElast® and RubberElast®

### 1. Description of the Material / Preparation and Company Identification

Details about the product

::: Trade name	Primer for SynkoElast® & RubberElast®
::: Application of the product or mixture	Primer / prime coat
::: Supplier	B.T. innovation GmbH Sudenburger Wuhne 60 D-39116 Magdeburg, Germany Tel.: +49 (0) 391-7352-0 Fax: +49 (0) 391-7352-54
::: Information can be obtained from	Technical division info@bt-innovation.de
::: Emergency telephone number	Telephone: +49 (0) 391-7352-0

### 2. Hazard(s) Identification

#### 2.1 Classification of the substance or mixture

::: Classification according to regulation (EC) No. 1272/2008



GHS02,

(Flammable)



GHS07,

(Irritant)



GHS08,

(Health hazard)



GHS09

(Environmentally damaging)

Flam. Liq. 3	H226	Flammable liquid and vapour 3
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways 1.
Skin Irrit. 2	H315	Causes skin irritation2
Eye Irrit. 2	H319	Causes serious eye irritation2
Acute Tox. 4	H332	Harmful if inhaled
STOT RE 1	H372	Causes damage to organs through prolonged or repeated exposure 1
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects 2

::: Information pertaining to particular dangers for man 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.

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::: Classification system

The classification is in line with current EC / ECHA- lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

### 2.2 Labelling elements

::: Labelling according to regulation (EC) No. 1272/2008

The product is classified and labelled according to the CLP-regulation.

::: Pictograms



GHS02,

(Flammable)



GHS07,

(Irritant)



GHS08,

(Health hazard)



GHS09

(Environmentally damaging)

Signal word: Danger

::: Hazard determining components for labelling Asphalt dissolved in distillates (petroleum)

::: Hazard statement(s)

H226 Flammable liquid and vapour

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H319 Causes serious eye irritation

H332 Harmful if inhaled

H372 Causes damage to organs through prolonged or repeated exposure

H411 Toxic to aquatic life with long lasting effects

::: Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233 Keep container tightly closed.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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- P264 Wash contaminated skin and clothes thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Response

- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351+ P338  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P331 Do NOT induce vomiting.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P362 + P363 Take off contaminated clothing and wash before reuse.
- P370 + P378 In case of fire: Use appropriate medium for extinction.

### ::: Safety statements

#### Storage

- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

#### Disposal

- P501 Dispose of contents / container according to the local / regional / national/ international regulations.

### 2.3 Other hazards

::: Result of the PBT- and vPvB-assessment No additional information available

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### 3. Composition / Information on Ingredients

- ::: Chemical characterisation: Asphalt dissolved in distillates (petroleum)
- ::: Description: Mixture of the substances as listed below with not hazardous admixtures

Hazardous ingredients:		
CAS: 8052-42-4 Reg.No. 01-2119480172-44 EC-No. : 232-490-9	Asphalt (Bituminous binding agent)	25 - 70 %
CAS: 64742-88-7 Reg.No. 01-2119537181-47 EC-Nr: 265-191-7	White spirit (distillates petroleum) processed light paraffinic solvent Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2; H315, Eye Irrit. 2; H319, Acute Tox. 4;H332, STOT RE 1,H372, Aquatic Chronic 2; H411	15 - 50 %

- ::: SVHC not applicable
- ::: Additional advices For the full text of the hazard notes mentioned in this section, see section 16.
- ### 4. First Aid Measures
- #### 4.1 Description of first aid measures
- ::: General advice Remove soiled, soaked clothing at once.
- ::: After breathing in: Supply with fresh air, consult doctor in case of symptoms.
- ::: After skin contact Wash off immediately with plenty of water and soap and rinse thoroughly
- ::: After eye contact Rinse opened eye immediately under running water for 10 to 15 minutes and consult doctor for treatment
- ::: After swallowing immediately consult a doctor. After swallowing rinse the mouth with plenty of water (never with an unconscious person).
- ::: Information for doctor

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

Headache, nausea, vomiting, diarrhoea,  
Prolonged exposure can cause chronic effects

#### 4.3 Identification of any immediate medical attention and special treatment needed

Supportive measures and symptomatic treatment

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### 5. Fire Fighting Measures

- ∴ Suitable extinguishing agent

Carbondioxide, extinguishing powder, water spray or sand  
Fight large fires with water spray or alcohol resistant foam.
- ∴ Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air.  
Vapours may propagate to source of ignition and flash back.  
When heated containers may explode.  
Flammable liquid and vapor.  
In case of fire can be released:  
Carbon monoxide and Carbon dioxide.
- ∴ Protective equipment:

Wear full protective suit  
Wear self-contained breathing apparatus  
Do not inhale explosion or combustion gases.
- ∴ Advice on firefighting

Do not allow extinguishing water to reach drains and water bodies.

### 6. Accidental Release Measures

- ∴ Person-related safety precautions, protective equipment and emergency procedures

Keep people away and stay on the windward side.  
Wear personal protective equipment.  
Keep unprotected persons away.  
Ensure adequate ventilation.
- ∴ Information about fire and explosion protection

Keep away from open flames and sources of ignition.  
Do not smoke.
- ∴ Requirements for storage rooms:

Cool, dry, well-ventilated room
- ∴ Environmental precautions:

Do not empty into drains, surface waters / ground water
- ∴ Procedure for cleaning/adsorption

Remove with liquid binding material (sand, sawdust, universal binder). Dispose material according to the local regulations.
- ∴ Reference to other sections:

Information on safe handling see chapter 7  
Information on personal protection see chapter 8  
Information on disposal see chapter 13

### 7. Handling and Storage

#### 7.1 Precautions for safe handling

- ∴ The usual precautionary measures when handling chemicals should be observed.
- ∴ Precautions for safe handling

Ensure good ventilation / exhaustion at the workplace. Keep appropriate breathing protection ready.

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::: Information about fire and explosion protection: Keep away from sources of ignition - No smoking.  
Do not store close to heat sources.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

::: Requirements to storage areas and containers Store only in the original closed container  
Keep away from heat and direct sunlight.  
Store in a cool, dry place.

::: Information about common storage Store away from food

::: Further information about storage conditions Store at a cool and dry place in well-sealed containers.

#### Storage class:

::: Classification according to Ordinance on Industrial Safety and Health (German BetrSichV) Not existent

7.3 Specific end use(s) No additional relevant information available

## 8. Protective equipment / Exposure Controls

::: Additional information on the design of techn. systems: No additional information, see point 7

### 8.1 Control parameters

::: Components with workplace control parameters Hydrocarbon mixtures according to TRGS 900 (C9-C15 aromatics) at max. 100 mg / m<sup>3</sup>

::: Additional information Based on available valid lists

### 8.2 Exposure controls

#### Personal protective equipment

::: General protection and hygienic measures The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and food.  
Remove soiled, soaked clothing at once.  
Wash hands before breaks and at end of work.  
Avoid contact with skin and eyes.

::: Breathing protection: Respiratory protective device with chemical filter against organic vapours. Not necessary at good ventilation.

::: Hand protection:



Protective gloves must be worn

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

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Select the glove material by consideration of the penetration times, rates of diffusion and the degradation / aging.

::: Glove material:

The selection of the suitable gloves varies not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be tested before use.

::: Penetration time of glove material

The exact break through time has to be requested from the protective glove manufacturer and has to be observed.

::: Gloves made from the following materials are suitable for the permanent contact of a maximum of 15 minutes  
Gloves from nitrile rubber or neoprene.

::: Eye protection



Tightly fitting protective glasses

::: Personal protection

Protective clothes

### 9. Physical and Chemical Properties

::: General information

Form	liquid
Colour	black
Odour	intense from petroleum
Odour threshold	no data available
Melting point / Melting range	not applicable
Boiling point / Boiling range	146-299 °C
Flash point	29 – 70°C
Flammability (solid, gaseous)	not applicable
Flammability limits	
Lower flammability limit	0.7 %
Upper flammability limit	6 %
Auto-ignition temperature solvent	220 – 250°C
Decomposition temperature	no data available
Oxidizing properties	highly flammable



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Vapour pressure	no data available
Density at 20° C	0.9-0.95 g/cm <sup>3</sup>
Solubility in / Miscibility with water	not or poor miscibility
pH-value	not applicable
Solid content	> 40%

::: Additional information The above listed physical data are guidelines and shall not be used as specification

### 10. Stability and Reactivity

#### Reactivity

::: Chemical stability	The product is stable under standard conditions.
::: Thermal decomposition	No decomposition if used according to specification.
::: Possibility of dangerous reactions	None if used according to specification.
::: Conditions to be avoided	Avoid heat, open fire and sources of ignition
::: Materials to be avoided	No relevant information available
::: Dangerous decomposition products	Carbon monoxide and Carbon dioxide

### 11. Toxicological Information

::: Information on toxicological effects:

Acute toxicity  
Relevant LD/LC 50- values for classification

8052-42-4	Asphalt (Bituminous binding agent)	
Oral	LD 50	5000 mg/kg (Rat)
Dermal	LD 50	2000 mg/kg (Rabbit)
Inhalation	LC 50	94.4 mg/m <sup>3</sup> (Rat, 4.5 hours)

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64742-88-7	White spirit (distillates petroleum)	
Oral	LD 50	5000 mg/kg (Rat)
Dermal	LD 50	2000 mg/kg (Rabbit)
Inhalation	LC 50	5.28 mg/L (Rat, 4 hours)

::: Primary irritation effect

on the skin

Irritating to the skin and mucous membranes

in the eye

Irritation effect

::: Sensitization

No sensitizing effect known

::: Additional toxicological information

Specific target organ toxicity at repeated exposition

Eye, skin, central nervous system, kidney, respiratory system

## 12. Ecological Information

::: Toxicity

Aquatic toxicity

Toxic to aquatic organisms, may cause long-term harmful effects in the aquatic environment. If dried, it will be adsorbed from the ground and will no longer be mobile.

LD/LC 50- values relevant for classification

8052-42-4	Asphalt (Bituminous binding agent)	
Fish	LL 50 (4 days)	1000 mg/L
Fish	LL 50 (28 days)	1000 mg/L
Invertebrates	LL 50 (48 hours)	1000 mg/L
Algae + cyano bacteria	EL 50 (72 hours)	1000 mg/L

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64742-88-7	White spirit (distillates petroleum)	
Fish	LL 50 (4 days)	2 – 5 mg/L
Invertebrates	EL 50 (48 hours)	1,4 mg/L
Invertebrates	EL 50 (21 days)	0.81 – 0.89 mg/L
Algae + cyano bacteria	EL 50 (72 hours)	1 – 3 mg/L

::: Persistence and degradability	No further information available.
::: Bioaccumulative potential	No further information available.
::: Mobility in soil	No further information available.
::: Ecological effects	Toxic for water organism
::: Additional ecological information	
General information:	
Water hazard class 2 (self-assessment):	hazardous to water
	Do not allow to reach ground water, water course or the sewerage system. In waters also poisonous for fish and plankton. Toxic for water organism.
Result of PBT- and vPvB assessment:	
PBT	not applicable
vPvB	not applicable
::: Other adverse effects	No further relevant information available
 13. Toxicological Information	
::: Recommendation	Do not dispose with the household waste. Do not empty into drains. Disposal according to official regulations.
::: European waste catalogue	08 04 11 / Paint and varnish waste that include organic solvents or other dangerous substances
::: Packaging	Packagings with remaining product parts have to be discharged as the product according to official regulations.

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### 14. Transport Information

#### 14.1 UN Number

ADR, IMDG, IATA UN 3295

#### 14.2 UN-proper shipping name

ADR 3295 Hydrocarbons, liquid, n.o.s. (Asphalt (Bituminous binding agent), White spirit (distillates petroleum))

IMDG Hydrocarbons, liquid, n.o.s. (Asphalt (Bituminous binding agent), White spirit (distillates petroleum))

IATA Hydrocarbons, liquid, n.o.s. (Asphalt (Bituminous binding agent), White spirit (distillates petroleum))

#### 14.3 Transport hazard class(es)

##### ADR Land transport

Class 3 (F1) Flammable Liquid

Hazard label 3

##### IMDG Maritime transport

Class 3 Flammable Liquids.

Label 3

##### IATA Air transport

Class 3 Flammable Liquids.

Label 3

#### 14.4 Packing group

ADR, IMDG, IATA III

#### 14.5 Environmental hazards

Environmentally hazardous substances Asphalt (Bituminous binding agent), White spirit (distillates petroleum)

Marine pollutant yes  
Symbol (Fish and tree)

Specific labelling Symbol (Fish and tree)

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14.6 Special precautions for user	Warning: Flammable Liquids
	Different hazardous substances and objects
14.7 Transportation in bulk according to Annex II of MARPOL-73/78 and the IBC-Code	Not applicable
ADR	
Limited quantities	5L
Transport class	3
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
UN "Model Regulation"	UN3295, Hydrocarbons, liquid, n.o.s. (Asphalt (Bituminous binding agent), White spirit (distillates petroleum))
15. Regulatory information	
::: Safety, health and environmental regulations / legislation specific for the mixture	
National regulations	Act according to the national regulations / law
Classification according to Operational Safety Ordinance (German BetrSichV)	Flammable liquid (R11), GefStoffV: Observe Annex III No. 1 (Fire and Explosion Hazards) and § 7 (3)
Technical instructions on air quality (German TA-Luft)	Hydrocarbon mixtures according to TRGS 900 (C9-C15 aromatic hydrocarbons) at max. 100 mg / m <sup>3</sup>
Water hazard class (WHC)	WHC 2 (self-assessment), hazardous to water
::: Additional regulations, restrictions and prohibition edicts	
Substances of very high concern (SVHC) according to REACH, Article 57	Not applicable.
Material safety assessment	No information available.

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### 16. Other information

The data within this safety data sheet are based on our present knowledge. They shall not constitute a guarantee for any specific product feature nor justify warranty claims and shall not establish a legally valid contractual relationship. Any previous data sheet issues have now become invalid.

#### ::: Relevant EUH phrases

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

::: Information can be obtained from: Technical division (Tel.: +49(0)391-7352-0)

#### ::: Abbreviation and acronyms

<b>ADR</b>	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
<b>IMDG</b>	International Maritime Code for Dangerous Goods
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>ICAO-TI</b>	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>CAS</b>	Chemical Abstracts Service (division of the American Chemical Society)
<b>VOC</b>	Volatile Organic Compounds (USA, EU)
<b>LC50</b>	Lethal concentration, 50 percent
<b>LD50</b>	Lethal dose, 50 percent
<b>EL50</b>	Median effective loading
<b>LL50</b>	Median lethal loading
<b>PBT</b>	Persistent, Bioaccumulative and Toxic
<b>vPvB</b>	very Persistent and very Bioaccumulative
<b>SVHC</b>	Substances of Very High Concern