

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

Product identifier

Name of product primostick

Manufacturer/distributor

primotec - Joachim Mosch e.K.
Tannenwaldallee 4, 61348 Bad Homburg, Deutschland
Phone + 49 (0)6172-99770-0, Fax + 49 (0)6172- 99770-99
E-Mail primotec@primogroup.de
Internet www.primogroup.de

Advice

F&E
Fax +49 (0)6172-99770-99

Emergency advice

Giftinformationszentrum Universitätsklinikum Mainz
Phone +49 (0)6131-19240

2. Hazards identification

Classification according to 67/548/EEC or 1999/45/EC

F; R11

Xi; R37/38

Xi; R41

R43

R52/53

R-phrases

11 Highly flammable.
37/38 Irritating to respiratory system and skin.
41 Risk of serious damage to eyes.
43 May cause sensitisation by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Labelling according to 67/548/EEC or 1999/45/EC

F Highly flammable

Xi Irritant



R-phrases

11 Highly flammable.
37/38 Irritating to respiratory system and skin.
41 Risk of serious damage to eyes.
43 May cause sensitisation by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

16 Keep away from sources of ignition - No smoking.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
35 This material and its container must be disposed of in a safe way.

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 22.07.2011

Revision 10.06.2011 (GB) Version 1.4

primostick



primotec[®]

advanced laboratory systems

36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
61	Avoid release to the environment. Refer to special instructions/safety data sheets.
9	Keep container in a well-ventilated place.

Hazardous ingredients for labeling

2-Propenoic acid, reaction products with pentaerythritol, methyl-methacrylate

3. Composition/information on ingredients

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
75980-60-8		diphenyl(2,4,6-trimethylbenzoyl) phosphinoxide	1 - 3	Repr.Cat.3; R62 R52-53
80-62-6	201-297-1	methyl-methacrylate	40 - 70	F R11; Xi R37/38; R43
1245638-61-2	629-850-6	2-Propenoic acid, reaction products with pentaerythritol acrylic resin	< 20	Xn R22; Xi R41; R43; N R51-53
			< 25	Xi R36-38

4. First aid measures

General information

Remove moisted clothing immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with plenty of water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.

Call for a doctor immediately.

5. Firefighting measures

Suitable extinguishing media

Foam

Dry powder

Carbon dioxide

Extinguishing media which must not be used for safety reasons

Full water jet

Special hazards arising from the substance or mixture

Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

Additional information

Cool endangered containers with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.
Use personal protective clothing.
Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
Take up mechanically and send for disposal.

7. Handling and storage

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Hot product forms flammable vapours.
Take precautionary measures against static discharges.

Requirements for storage rooms and vessels

Keep only in original container.

Advice on storage compatibility

Do not store with oxidizing agents.

Further information on storage conditions

Storage temperature between 4°C to 25°C.
Keep container tightly closed and store at cool and aired place.
Protect from light.

8. Exposure controls/personal protection

Respiratory protection

Short term: filter apparatus, filter A

Hand protection

Protective gloves

Eye protection

safety goggles

Skin protection

Light protective clothing.

General protective measures

Do not inhale vapours.
Avoid contact with eyes and skin

Hygiene measures

Remove soiled or soaked clothing immediately.
Keep away from food and drink.
Keep away from tobacco.
Use barrier skin cream.

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 22.07.2011

Revision 10.06.2011 (GB) Version 1.4

primostick



primotec[®]

advanced laboratory systems

9. Physical and chemical properties

Form
liquid

Colour
colourless

Odour
pungent

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
boiling point	100 °C		1013 hPa		
Flash point	10 °C			DIN 51755	
Ignition temperature	430 °C			DIN 51794	
Lower explosion limit	2,1 Vol-%				
Upper explosion limit	12,5 Vol-%				
Vapour pressure	40 hPa	20 °C			
Density	1,1 g/cm ³	20 °C			
Solubility in water	6 g/l	20 °C			
Solubility/other					soluble in most organic solvents
Partition coefficient (log p_{OW})	0,7				

Additional information

Physical dates refer to main elements.

10. Stability and reactivity

Conditions to avoid

Reactions with light.
If heating up polymerisation.
Protect from heat.

Materials to avoid

Reactions with strong oxidising agents.
Reactions with reducing agents, heavy metals.
Reactions with peroxides and other radical components.
If heating up polymerisation.

11. Toxicological information

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 1350 mg/kg	rat	OECD 401	2-Propenoic acid, reaction products with pentaerythritol
Irritability skin	irritant			

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 22.07.2011

Revision 10.06.2011 (GB) Version 1.4

primostick



primotec[®]

advanced laboratory systems

	Value/Validation	Species	Method	Remark
Irritability eye	irritant - risk of strong eye injuries			
Skin sensitization	sensitizing			
Experiences made from practice Experiences at humans: may cause hypersensitivity reactions on skin in case of persons suffering from hypersensitivity. Irritates respiratory tract.				

12. Ecological information

Ecotoxicological effects	Value	Species	Method	Validation
Fish	LC50 > 3,2 mg/l (96 h)	carp		2-propenoic acid, reaction products with pentaerythritol

General regulation

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

13. Disposal considerations

Waste code No.	Name of waste
07 02 08*	other still bottoms and reaction residues

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Small quantities can be polymerized by light and the cured solid material can be disposed of with the regular garbage. Larger quantities must be disposed of following the regulations of the local authorities

Recommendations for packaging

Packaging that cannot be cleaned should be disposed of like the product.

14. Transport information

Land and inland navigation transport ADR/RID

UN 1247 METHYL METHACRYLATE MONOMER, STABILIZED, SOLUTION, 3, II

Marine transport IMDG

UN 1247 METHYL METHACRYLATE MONOMER, STABILIZED, SOLUTION, 3, II

Air transport ICAO/IATA-DGR

UN 1247 METHYL METHACRYLATE MONOMER, STABILIZED, SOLUTION, 3, II

15. Regulatory information

National regulations

Water hazard class 2 self-classification



16. Other information

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 11 Highly flammable.

R 22 Harmful if swallowed.

R 36/38 Irritating to eyes and skin.

R 37/38 Irritating to respiratory system and skin.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 43 May cause sensitisation by skin contact.

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

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

R 62 Possible risk of impaired fertility.