


Safety Data Sheet

Enke Primer P-O

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	Trade name:	Primer P-O
1.2	Relevant identified uses of the substance or mixture and uses advised against	
	Use of the substance/mixture:	Primer Adhesion promotor
1.3	Details of the supplier of the safety data sheet: Street: Place: Tel: Telefax E-mail: Internet: Responsible department:	ENKE-Werk Johannes Enke GmbH & Co. KG Hamburger Str. 16 40221 Düsseldorf, Germany +49 (0) 211 / 30 40 74 +49 (0) 211 / 39 37 18 info@enke-werk.de www.enke-werk.de/en On weekdays between 7 a.m. and 4 p.m.
1.4	Emergency telephone number:	Poison Information Centre (24h): +49 (0) 551 / 19 240

SECTION 2: HAZARD IDENTIFICATION

2.1	Classification of the substance or mixture Regulation (EC) No. 1272/2008	
	Hazard categories:	
	Flammable liquid:	Flam. Liq. 3
	Acute toxicity:	Acute Tox. 4
	Acute toxicity:	Acute Tox. 4
	Aspiration hazard:	Asp. Tox. 1
	Skin corrosion/irritation:	Skin Irrit. 2
	Serious eye damage/eye irritation	Eye Irrit.
	Specific target organ toxicity - single exposure:	STOT SE 3
	Specific target organ toxicity - single exposure:	STOT RE 2
	Hazard Statements:	
	Flammable liquid and vapour.	
	Harmful if inhaled.	
	Harmful in contact with skin.	
	May be fatal if swallowed and enters airway	
	Causes skin irritation.	
	Causes serious eye irritation.	
	May cause respiratory irritation.	
	May cause damage to organs through prolonged or repeated exposure.	
2.2	Label elements Regulation (EC) No. 1272/2008	
	Hazard components for labelling	Xylene
	Signal word:	Danger
	Pictograms:	
	Hazard statements	
	H226	Flammable liquid and vapour.

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	H304	May be fatal if swallowed and enters airways.
	H312+H332	Harmful in contact with skin or if inhaled.
	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
	H373	May cause damage to organs through prolonged or repeated exposure.
Precautionary statements		
	P101	If medical advice is needed, have product container or label at hand.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P262	Do not get in eyes, on skin, or on clothing.
	P271	Use only outdoors or in a well-ventilated area.
	P331	Do NOT induce vomiting.
2.3 Other hazards		
	No information available.	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2	Mixtures																					
	Chemical characterization																					
	polymer solution in xylene																					
	Hazardous components																					
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	Full text of H and EUH statements: see section 16.																					

SECTION 4: FIRST AID MEASURES

4.1	Description of first aid measures
	General information
	Take off immediately all contaminated clothing and wash it before reuse.
	After inhalation
	Provide fresh air. When in doubt or if symptoms are observed, get medical advice.
	After contact with skin
	Pick up mechanically and wash immediately with plenty of water and soap.
	After contact with eyes
	After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
	After ingestion
	Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Aspiration hazard! Call a physician in any case!

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4.2	Most important symptoms and effects, both acute and delayed	No information available.
4.3	Indication of any immediate medical attention and special treatment needed	Treat symptomatically. Do NOT induce vomiting. Aspiration hazard!

SECTION 5: FIREFIGHTING MEASURES

5.1	Extinguishing media Suitable extinguishing media	CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
5.2	Special hazards arising from the substance or mixture	Flammable. Vapours can form explosive mixtures with air. In case of fire, the following can be released: Carbon monoxide, carbon dioxide, noxious gases/vapors.
5.3	Advice for firefighters	Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.
	Additional information	Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.
6.2	Environmental precautions	Do not allow uncontrolled discharge of product into the environment. Danger of explosion
6.3	Methods and material for containment and cleaning up	Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.
6.4	Reference to other sections	Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling Advice on safe handling	If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.
	Advice on protection against fire and explosion	Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.
7.2	Conditions for safe storage, including any	

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	incompatibilities	
	Requirements for storage rooms and vessels	Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
7.3	Specific end use(s)	Primer / Adhesion promotor

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters																				
	Exposure limits (EH40)																				
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1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift																
8.2	Exposure controls																				
	Appropriate engineering controls	If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.																			
	Protective and hygiene measures	Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.																			
	Eye/face protection	Suitable eye protection: goggles.																			
	Hand protection	When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Our recommendation is as follows: Suitable materials for prolonged, direct contact (at least protection index 6, corresponding to > 480 minutes permeation time according to EN 374): Neoprene®, Viton®, PVC, butyl or nitrile rubber. Dispose of contaminated gloves. With proper, optimized operation, only short-term contact and liquid splashes are to be expected, therefore, according to DGUV Information 212-007, a glove with a minimum protection class of 1 (<10 min) is sufficient. It must be ensured that the gloves are changed at short notice in case of chemical contact.																			
	Skin protection	Wear suitable protective clothing.																			
	Respiratory protection	In case of inadequate ventilation wear respiratory protection. Fresh air mask. Short term filter device: A2 - P2.																			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	
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Physical State	Liquid	
Colour	slightly yellowish	
Odour	such as Xylene	
		Test method
pH-Value	not determined	
Changes in the physical state		
Melting point:	not determined	
Initial boiling point and boiling range:	~ 140 °C	
Flash point:	~ 30 °C	DIN ISO 53213
Flammability		
Solid:	not applicable	
Gas:	not applicable	
Lower explosion limits:	1,0 vol. %	
Upper explosion limits:	8,0 vol. %	
Ignition temperature:	~ 460 °C	
Auto-ignition temperature		
Solid:	not applicable	
Gas:	not applicable	
Decomposition temperature:	not determined	
Oxidizing properties		
Not oxidising.		
Vapour pressure:	0,5 - 1,0 hPa	
Density (at 20 °C):	0,87 g/cm ³	
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.	
Solubility in other solvents		
not determined		
Partition coefficient:	not determined	
Viscosity / dynamic: (at 20 °C)	20 - 30 mPa·s	
Vapour density:	not determined	
Evaporation rate:	not determined	
9.2 Other information		
Solid content:	not determined	

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Flammable, Ignition hazard.
10.2	Chemical stability	The product is stable under storage at normal ambient temperatures.
10.3	Possibility of hazardous reactions	No known hazardous reactions
10.4	Conditions to avoid	Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.
10.5	Incompatible materials	No information available
10.6	Hazardous decomposition products	No known hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects
	ATEmix calculated
	ATE (dermal) 1222,2 mg/kg; ATE (inhalative vapour) 12,22 mg/l; ATE (inhalative aerosol) 1,667 mg/l
	Acute toxicity

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1330-20-7	Xylene				
	dermal	ATE 1100 mg/kg			
	inhalative vapour	ATE 11 mg/l			
	inhalative aerosol	ATE 1,5 mg/l			
Irritation and corrosivity					
Causes skin irritation. Causes serious eye irritation.					
STOT-single exposure					
May cause respiratory irritation.					
STOT-repeated exposure					
May cause damage to organs through prolonged or repeated exposure.					
Aspiration hazard					
May be fatal if swallowed and enters airways.					
Additional information on tests					
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].					

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	The product is not: Ecotoxic.
12.2	Persistence and degradability	The product has not been tested.
12.3	Bioaccumulative potential	The product has not been tested.
12.4	Mobility in soil	The product has not been tested.
12.5	Results of PBT and vPvB assessment	The product has not been tested.
12.6	Other adverse effects	No information available.
	Further information	Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	
	Advice on disposal	Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. Containers have to be emptied completely and free of drops after final product removal. Emptied packages can be returned to the partners of Kreislaufsystem Blechverpackungen Stahl (Recycling system for metal containers). Collection points are provided by the ENKE company as user of the mark.
	Waste disposal number of waste from residues/unused products	080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste
	Waste disposal number of used product	080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of

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		paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste
	Contaminated packaging	Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: TRANSPORT INFORMATION

Land transport (ADR/RID)		
14.1	UN number:	UN 1263
14.2	UN proper shipping name:	Paint
14.3	Transport hazard class(es):	3
14.4	Packing group:	III
	Hazard label:	3
	Classification code	F1
	Special Provisions:	163 640E 650
	Limited quantity:	5L
	Excepted quantity:	E1
	Transport category:	3
	Hazard No:	30
	Tunnel restriction code:	D/E
Inland waterways transport (ADN)		
14.1	UN number:	UN 1263
14.2	UN proper shipping name:	Paint
14.3	Transport hazard class(es):	3
14.4	Packing group:	III
	Hazard label:	3
	Classification code	F1
	Special Provisions:	163 640E 650
	Limited quantity:	5L
	Excepted quantity:	E1
14.5	Environmental hazards	
	ENVIRONMENTALLY HAZARDOUS:	no
14.6	Special precautions for user	No information available.
14.7.	Transport in bulk according to Annex II of Marpol and the IBC Code	not applicable

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	EU regulatory information	
	Additional information	To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC
	National regulatory information	
	Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
	Water contaminating class (D):	2 - clearly water contaminating

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	Skin resorption/Sensitisation:	Permeates easily through outer skin and causes poisoning.
15.2	Chemical safety assessment	Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: OTHER INFORMATION

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)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service
LC50:	Lethal concentration, 50%
LD50:	Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
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Last update date (ENKE-Werk)	02.08.2018
Moy Materials Ltd version prepared by	Martin Bidewell

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.