

Trade name: LG-Primer**Safety data sheet in accordance with 91/155/EEC**

Date of printing : 27.02.2009

01. Identification

01.01 Product details	
01.01.01. Trade name	LG-Primer
01.02. Identification of the manufacturer	
01.02.01. Address	ERKODENT Erich Kopp GmbH, Siemensstr. 3, D-72285 Pfalzgrafenweiler
01.02.02. Information provided by	Chemie
01.02.03. Telephone number	Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92
01.02.04. Emergency telephone number :	

02. Composition/information on ingredients

02.01. Chemical characterization	Solution Acrylpolymer
02.02. Substance / product identification	
02.03. Hazardous ingredients	Dichlormethan CAS-Nr. 75-09-2; Xn R40; 30,0-40,0% Nitromethan CAS-Nr. 75-52-5; Xn R5-10-22; 15,0-40,0% 2-Phenoxyethanol CAS-Nr. 122-99-6; Xn R22-36; 5,0-10,0% Ethanol CAS-Nr. 64-17-5; F ; R11; 1,0-5,0%
02.04. Additional information	-

03. Hazards possibilities

03.01. Hazard designation	Harmful
03.02. Particular information pertaining specific risk for human / environment	Harmful if swallowed., May cause cancer.

04. First aid measures

04.01. General Information	Remove contaminated clothing immediately and dispose of safely., By continuous complaints consult a physician.
04.02. First aid measures / inhalation.	Ensure supply of fresh air., Remove the casualty into fresh air and keep him calm., In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice.
04.03. First aid measures / skin contact.	In case of contact with skin wash off immediately with soap and water., Don't use solvents.
04.04. First aid measures / eye contact.	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water., Seek medical aid immediately.
04.05. First aid measures / ingestion..	Do not induce vomiting., Take medical treatment.
04.06. Advice to doctor	If individual is drowsy or unconscious place in recovery position (on left side, with head down)., Provide for body rest, protect against loss of heat.

05. Fire-fighting measures

05.01. Suitable extinguishing media	alcohol-resistant foam, dry powder, carbon dioxide.
05.02. Extinguishing media that must not be used for safety reasons	Full water jet
05.03. Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases.	Risk of formation of toxic pyrolysis products.
05.04. Special protective equipment for firefighting	In case of combustion use a suitable breathing apparatus.
05.05. Additional informations (chapter 5)	Collect contaminated firefighting water separately, must not be discharged into the drains.

06. Accidental release measures

06.01. personal precautions.	Ensure adequate ventilation., Keep away sources
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	of ignition., Refer to protective measures listed in sections 7 and 8.
06.02. environmental precautions.	Do not allow to enter drains.
06.03. methods for cleaning up/taking up.	Take up with absorbent material (eg sand, kieselguhr, universal binder)., Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.
06.04. Additional informations (chapter 6).	Dispose of absorbed material in accordance with the regulations.

07. Handling and storage

07.01. Handling	
07.01.01. Hints on safe handling.	Open and handle container with care., Provide good ventilation of working area (local exhaust ventilation if necessary)., Observe the usual precautions for handling chemicals.
07.01.02. Hints for protection against fire and explosion.	Keep away from sources of ignition - refrain from smoking.
07.02. Storage	
07.02.01. Requirements for storage rooms and vessels.	Store product in closed containers., Store always in containers, which comply with the original packing.
07.02.02. Hints on storage assembly.	Do not store with acids or alkalies., Do not store with strong oxidizing agents.
07.02.03. Further information on storage conditions.	Keep container tightly closed; open and handle with care., Protect from heat and direct sunlight.
07.02.04. Storage category	-
07.02.05. Storage stability	-
07.02.06. Recommended storage temperature	15 – 25 °C

08. Exposure controls/personal protection

08.01. Additional hints on technical system design.	
08.02. Ingredients with occupational exposure limits to be monitored	Dichlormethan 75-09-2; MAK 350 mg/m ³ , 100 ml/m ³ ; Nitromethan 75-52-5; MAK 250 mg/m ³ , 100 ml/m ³ Ethanol 64-17-5; MAK 1900 mg/m ³ , 1000 ml/m ³ Chlorwasserstoff 7647-01-0; MAK 15 mg/m ³ , 10 ml/m ³ Carbonylchlorid 75-44-5; MAK 0,4 mg/m ³ , 0,1 ml/m ³

08.03. Personal protective equipment <input type="checkbox"/> Personal protective equipment <input type="checkbox"/> Persönliche Schutzausrüstung	
08.03.01. Respiratory protection	Breathing apparatus in the event of high concentrations., Short term: filter apparatus, filter AX
08.03.02. Hand protection	Protective gloves Viton
08.03.03. Eye protection	tightly fitting safety glasses
08.03.04. Skin protection	light protective clothing
08.03.05. General protective and hygiene measures	Do not inhale vapours., Avoid contact with eyes and skin., Do not eat, drink or smoke during work time., Observe the usual precautions when handling chemicals.

09. Physical and chemical properties

09.01. Appearance.	
09.01.01. Form	Liquid
09.01.02. Colour	colourless, clear
09.01.03. Odour	sweetish, chloroform-like

09.02. Safety data	
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Changes in physical state

Boiling point	Ca. 40	°C	1013 hPa
Flash point			
	n.a.	°C	
Ignition temperature			
	Ca. 605	°C	Dichlormethan
	Ca. 418		Nitromethan
self ignition			
explosion limits	13	Vol %	Dichlormethan
	7,1	Vol %	Nitromethan
Upper explosion limit	22	Vol %	Dichlormethan
	63	Vol %	Nitromethan
Vapour pressure			
	475	hPa 20°C	Dichlormethan
	35	hPa 20°C	Nitromethan
Density			
	1,21	g/cm3	20 °C
solubility			
	13,7	g/l 20°C	Dichlormethan
	95	g/l 20°C	Nitromethan
Soluble in			
	-	g/l	
pH-Value			
	n.b.		
Viscosity			
	750 - 1000	mPas	20 °C
09.03. Other information (chapter 9.)	-		

10. Stability and reactivity

10.01. Hazardous reactions	Reactions with acids, alkalies and oxidizing agents., Reactions with various metals., Reactions with earth alkali metals., Reactions with alkali metals.
10.02. Hazardous decomposition products	Hydrogen chloride (HCl), Phosgene, Irritant gases/vapours
10.03. Thermal decomposition	No decomposition if used as prescribed.
10.04. Additional informations (chapter 10)	-

11. Toxicological information

11.01. Acute toxicity	
11.01.01. Acute oral toxicity	LD50 rat 1600 mg/kg Dichlormethan LD50 rat 1210 mg/kg Nitromethan LD50 rat 1250 mg/kg Phenoxyethanol
11.01.02. Acute dermal toxicity	LD50 Rabbits > 2000 mg/kg Nitromethan
11.01.03. Acute inhalational toxicity	LC50 rat 52 mg/l Dichlormethan LC50 rat 12,7 mg/l Nitromethan
11.02. Irritant/corrosive effects	
11.02.01. Irritant effect on skin	irritant,Has a degreasing effect on the skin.
11.02.02. Irritant effect on eyes	irritant - risk of serious damage to eyes
11.03. Sensitization	
11.04. Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	mouse NOAEL 94 ppm inhalativ
11.08. Other information (chapter 11.)	-
11.09. Experiences made in practice.	-
11.10. General remarks.	Inhalation of the vapours causes irritation of the respiratory tract and mucous membrane, headaches, nausea, giddiners, vomiting., Irritating effects on the skin and mucous membrane., Kidney damage is possible., Liver damage is possible.

12. Ecological information

12.01. Data on elimination (persistence and degradability) :	
12.01.01. Physico-chemical eliminability	-
12.01.02. Biodegradability	not readily degradable 5-26% Dichlormethan
12.02. Behaviour in environment compartments.	-
12.03. Ecotoxic effect	
12.03.01. Fish toxicity	LC50 Pimephales promelas 193 mg/l LC50 Guppy 294 mg/l Dichlormethan Value taken from the literature
12.03.02. Daphnia toxicity	EC50 Daphnia magna >200 mg/l Dichlormethan Value taken from the literature
12.03.03. Algae toxicity	EC0 Scenedastrum quadricauda 125 mg/l IC50 Selenastrum capricomutum > 662 mg/l Value taken from the literature
12.03.04. Bacteria toxicity	NOEC Pseudomonas putida 500 mg/l Dichlormethan Value taken from the literature
12.04. Further ecological information	Do not allow to enter soil, waterways or waste water canal.

13. Disposal considerations

13.01. Disposal considerations	
13.01.01. Disposal / product	-
13.01.02. Disposal / contaminated packagings.	Completely emptied packagings can be given for recycling.
13.02. Waste code no. / name of waste (for Germany only)	080409 The stated Waste Code Number(s) according to the European Waste Catalogue (EAK) is (are) considered as a recommendation. A definite setting (establishment) should be carried out in co-ordination with the Regional Waste Disposal Authority.

14. Transport information

14.01. Land transport ADR/RID	
14.01.01. Class	6.1
14.01.02. Number/letter	-
14.01.03. Hazard number (Kemler-number)	
14.01.04. UN number	2810
14.01.05. Technical name	2810 Giftiger organischer flüssiger Stoff (enthält Dichlormethan)
14.01.06. Remarks	VG/PG: III
14.02. Inland waterways transport ADN/ADNR	
14.02.01. Class	6.1
14.02.02. Number/letter	-
14.02.03. Category	-
14.02.04. Technical name	UN 2810 Giftiger organischer flüssiger Stoff (enthält Dichlormethan)
14.02.05. Remarks	PG/VG: III
14.03. Marine transport IMDG/GGVSee	
14.03.01. Class	6.1
14.03.02. UN number	2810
14.03.03. page	-
14.03.04. EmS	F-A, S-A
14.03.05. MFAG	-

14.03.06. MARINE POLLUTANT	0
14.03.07. Correct technical name	2810 Toxic liquid, organic, (containing dichlormethane)
14.03.08. Remarks	PG/VG: III

14.04. Air transport ICAO/IATA	
14.04.01. Class	6.1
14.04.02. UN number	2810
14.04.03. page	-
14.04.04. Correct technical name	2810 Toxic liquid, organic, (containing dichlormethane)
14.04.05. Remarks	PG/VG: III

14.05. Other information (chapter 14.)	-
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15. Regulatory information

15.01. Labelling in accordance with GefStoffV/EC	
The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.	

15.01.02. Hazard symbols	Xn	Harmful
TA-Luft / components		Dichlormethan Nitromethan

R phrases	R 22	Harmful if swallowed.
	R 40	Possible risks of irreversible effects.

S phrases	S 23	Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
	S 24/25	Avoid contact with skin and eyes.
	S 36/37	Wear suitable protective clothing and gloves.
	S 41	In case of fire and/or explosion do not breathe fumes.

15.02. Other regulations	
15.02.01. Restriction of occupation.	§ 15a GefStoffV § 22 ArbSchG §§ 4 u. 5 MuSchRiV
15.02.02. Decree for case of interference / remarks (for Germany only).	-
15.02.03. Classification according to VbF / remarks (for Germany only).	n.a.
15.02.04. TA-Luft (Ger.)	Class: 1,5.2.5
15.02.05. Water Hazard Class (Ger.)	2 (VwVwS, Anh. 4)
15.02.06. Other regulations, restrictions and prohibition regulations (for Germany only)	-

16. Other information (chapter 16.).

BG Data sheet M 023 „Polyester- and Epoxy-Resins“ (n.a. = Not applicable; n.b.= not determined)
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