Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

*
SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**
· Trade name: **Primer AP 40**

· Article number: 45019 / 45020
· **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
· Application of the substance / the mixture Priming

· **1.3 Details of the supplier of the safety data sheet**
· Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH Tel. +49(0)911-642960
Lechstrasse 28 Fax. +49(0)911-644456
D 90451 Nürnberg e-mail info@akemi.de

· Further information obtainable from: Laboratory
· **1.4 Emergency telephone number:** Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH
Tel. +49(0)911-64296-59
Reachable during the following office hours:
Monday – Thursday from 07:30 a.m. to 16:30 p.m.
Friday from 07:30 a.m. to 13:30 p.m.
+44 (171) 635 91 91
National Poison Inform. Centre
Medical Toxicology Unit
Avalonley Road
London SE14 5ER

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· Classification according to Regulation (EC) No 1272/2008


GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.


GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.


GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.


GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

· **2.2 Label elements**
· Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 1)

· Hazard pictograms

GHS02 GHS07 GHS08 GHS09

· Signal word Danger

· Hazard-determining components of labelling:
Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, < 5% n-hexane
Hydrocarbons, C6, isoalkanes, <5% n-hexane
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclene

· Hazard statements
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

· Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/ regional/national/international regulations.

· **2.3 Other hazards**
· Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**
· Description: Mixture of substances listed below with nonhazardous additions.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 2)

· Dangerous components:

EC number: 926-605-8 Reg.nr.: 01-2119486291-36	Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H336	25-50%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, < 5% n-hexane Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	12.5-25%
EC number: 931-254-9 Reg.nr.: 01-2119484651-34	Hydrocarbons, C6, isoalkanes, <5% n-hexane Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	12.5-25%
EC number: 927-510-4 Reg.nr.: 01-2119475515-33	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclene Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	12.5-25%
	Alkanes, C7-10 Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	<10%
CAS: 110-54-3 EINECS: 203-777-6 Index number: 601-037-00-0 Reg.nr.: 01-2119474209-33-xxxx	n-hexane Flam. Liq. 2, H225 Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	1-5%
CAS: 5593-70-4 EINECS: 227-006-8 Reg.nr.: 01-2119967423-33	titanium tetrabutanolate Flam. Liq. 3, H226 Eye Dam. 1, H318 Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-5%
CAS: 110-82-7 EINECS: 203-806-2 Index number: 601-017-00-1 Reg.nr.: 01-2119463273-41-xxxx	cyclohexane Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Irrit. 2, H315; STOT SE 3, H336	1-5%

· Additional information: For the wording of the listed hazard phrases refer to section 16.

*
SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· General information: Take affected persons out into the fresh air.
Seek medical treatment.
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm.
Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 3)

· After skin contact: If skin irritation continues, consult a doctor.
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: Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.

· **4.2 Most important symptoms and effects, both acute and delayed**
Headache
Dizziness
Dizziness
Nausea

· Information for doctor: Symptoms in intoxication with (aromatic) hydrocarbons (dosis letalis about 30 g)
a) In acute intoxication: headache, dizziness, euphoria, gastro-intestinal dysfunction, state of excitement, coma.
b) In chronic intoxication: myelotoxic damage, fatigue, dizziness, emaciation, cardiac palpitation after physical exercise, leucopenia, anemia, leukosis.
Therapy in hydrocarbons intoxication: In case of inhalation provision of fresh air; in case of peroral intake administration of Carbo medicinalis; only after intubation conduct of gastrolavage in application of Carbo medicinalis; in case of cramps administration of Diazepam 20 mg intravenously.

· Hazards Danger of impaired breathing.

· **4.3 Indication of any immediate medical attention and special treatment needed** If swallowed or in case of vomiting, danger of entering the lungs.

* **SECTION 5: Firefighting measures**

· **5.1 Extinguishing media**

· 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

· **5.2 Special hazards arising from the substance or mixture** Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Carbon monoxide (CO)

· **5.3 Advice for firefighters**

· Protective equipment: Wear self-contained respiratory protective device.
Wear fully protective suit.
Mount respiratory protective device.

· Additional information Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

* **SECTION 6: Accidental release measures**

· **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
Keep away from ignition sources.
Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:** Prevent from spreading (e.g. by damming-in or oil barriers).
Do not allow product to reach sewage system or any water course.
Prevent seepage into sewage system, workpits and cellars.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 4)

Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

· **6.4 Reference to other sections** See Section 13 for disposal information.

* **SECTION 7: Handling and storage**

· **7.1 Precautions for safe handling** Use solvent-proof equipment.
Keep receptacles tightly sealed.
Use only in well ventilated areas.
Ensure good ventilation/exhaustion at the workplace.

· Information about fire - and explosion protection: Use explosion-proof apparatus / fittings and spark-proof tools.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Fumes can combine with air to form an explosive mixture.

· **7.2 Conditions for safe storage, including any incompatibilities**

· Storage:

· Requirements to be met by storerooms and receptacles: Provide solvent resistant, sealed floor.
Store only in the original receptacle.
Prevent any seepage into the ground.
Provide floor trough without outlet.
Store in a cool location.

· Information about storage in one common storage facility: Store away from oxidising agents.

· Further information about storage conditions: Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

· **7.3 Specific end use(s)** No further relevant information available.

* **SECTION 8: Exposure controls/personal protection**

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

· **8.1 Control parameters**

· Ingredients with limit values that require monitoring at the workplace:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclene	
TWA	Long-term value: 1000 mg/m³
110-54-3 n-hexane	
WEL	Long-term value: 72 mg/m³, 20 ppm
110-82-7 cyclohexane	
WEL	Short-term value: 1050 mg/m³, 300 ppm Long-term value: 350 mg/m³, 100 ppm

· DNELs

Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane		
Oral	DNEL (Langzeit-wiederholt)	699 mg/kg bw/day (BEV)

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 5)

Dermal	DNEL (Langzeit-wiederholt)	773 mg/kg bw/day (ARB)
		699 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	2,035 mg/m³ Air (ARB)
		608 mg/m³ Air (BEV)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, < 5% n-hexane		
Oral	DNEL (Langzeit-wiederholt)	699 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	773 mg/kg bw/day (ARB)
		699 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	2,035 mg/m³ Air (ARB)
		608 mg/m³ Air (BEV)
Hydrocarbons, C6, isoalkanes, <5% n-hexane		
Oral	DNEL (Langzeit-wiederholt)	1,301 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	13,964 mg/kg bw/day (ARB)
		1,377 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	5,306 mg/m³ Air (ARB)
		1,137 mg/m³ Air (BEV)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclene		
Oral	DNEL (Langzeit-wiederholt)	149 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	300 mg/kg bw/day (ARB)
		149 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	2,085 mg/m³ Air (ARB)
		447 mg/m³ Air (BEV)
Alkanes, C7-10		
Oral	DNEL (Langzeit-wiederholt)	699 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	773 mg/kg bw/day (ARB)
		699 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	2,035 mg/m³ Air (ARB)
		608 mg/m³ Air (BEV)
110-54-3 n-hexane		
Inhalative	DNEL (Langzeit-wiederholt)	75 mg/m³ Air (ARB)
110-82-7 cyclohexane		
Inhalative	DNEL (Langzeit-wiederholt)	700 mg/m³ Air (ARB)

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

· **8.2 Exposure controls**
· Personal protective equipment:
· General protective and hygienic measures:
Use skin protection cream for skin protection.
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.

· Respiratory protection: Filter AX
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.

· Protection of hands: Preventive skin protection by use of skin-protecting agents is recommended.

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 6)

After use of gloves apply skin-cleaning agents and skin cosmetics.

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

· Material of gloves: Nitrile rubber, NBR
Butyl rubber, BR
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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Not suitable are gloves made of the following materials: Leather gloves
Strong material gloves

· Eye protection:

Tightly sealed goggles

· Body protection: Solvent resistant protective clothing

*

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· General Information	
· Appearance:	
Form:	Fluid
Colour:	Colourless
· Odour:	Specific type
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	> 59 °C
· Flash point:	-25 °C
· Ignition temperature:	>230 °C
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	0.6 Vol %
Upper:	6.5 Vol %
· Vapour pressure at 20 °C:	9.5 hPa
· Density at 20 °C:	0.7 g/cm³
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 7)

· Viscosity:	
Dynamic:	Not determined.
Kinematic at 40 °C:	6.9 mm²/s
· Solvent content:	
Organic solvents:	94.0 %
Solids content:	51.2 %
· **9.2 Other information**	No further relevant information available.

*
SECTION 10: Stability and reactivity

· **10.1 Reactivity**	No further relevant information available.
· **10.2 Chemical stability**	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions**	May produce violent reactions with bases and numerous organic substances including alcohols and amines. Violent reactions with -NHx, -OH and -SH- groups. Reacts with water.
· **10.4 Conditions to avoid**	No further relevant information available.
· **10.5 Incompatible materials:**	No further relevant information available.
· **10.6 Hazardous decomposition products:**	No dangerous decomposition products known.

*
SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)		
Inhalative	LC50/4 h	550 mg/l (rat)

Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane		
Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>20 mg/l (rat) (OECD 403)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, < 5% n-hexane		
Oral	LD50	>5,840 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg (rabbit) (IUCLID)
		>2,920 mg/kg (rat)
Inhalative	LC50/4 h	>25.2 mg/l (rat) (IUCLID)
Hydrocarbons, C6, isoalkanes, <5% n-hexane		
Oral	LD50	>3,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rat)
Inhalative	LC50/4 h	>20 mg/l (rat)
	LC50/48h	3.87 mg/l (daphnia magna)
		1 mg/l (Oryzias latipes)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclene		
Oral	LD50	>5,840 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rabbit)

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 8)

		>2,920 mg/kg (rat)
Inhalative	LC50/4 h	>23.3 mg/l (rat)
Alkanes, C7-10		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4h	>21 mg/m3 (rat)
110-54-3 n-hexane		
Oral	LD50	28,700 mg/kg (rat)
Dermal	LD50	3,295 mg/kg (rabbit)
Inhalative	LC50/4 h	169 mg/l (rat)
110-82-7 cyclohexane		
Oral	LD50	12,705 mg/kg (rat)
Dermal	LD50	>18,000 mg/kg (rabbit)

· Primary irritant effect:
· Skin corrosion/irritation Causes skin irritation.
· Serious eye damage/irritation Causes serious eye irritation.
· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
· Germ cell mutagenicity Based on available data, the classification criteria are not met.
· Carcinogenicity Based on available data, the classification criteria are not met.
· Reproductive toxicity Based on available data, the classification criteria are not met.
· STOT-single exposure May cause drowsiness or dizziness.
· STOT-repeated exposure Based on available data, the classification criteria are not met.
· Aspiration hazard May be fatal if swallowed and enters airways.

*
SECTION 12: Ecological information

· **12.1 Toxicity**

· Aquatic toxicity:	
Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane	
EC50/48h	3 mg/l (daphnia magna)
EL50/72h	55 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	12 mg/l (Oncorhynchus mykiss)
NOELR/72h	30 mg/l (Pseudokirchneriella subcapitata)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclene, < 5% n-hexane	
EC50/48h	3 mg/l (daphnia magna)
EL50/48h	3 mg/l (daphnia magna)
EL50/72h	30-100 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	11.4 mg/l (Oncorhynchus mykiss)
NOELR/72h	3 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	0.17 mg/l (daphnia magna)
LC50/96h	2.6 mg/l (piscis) (IUCLID)
Hydrocarbons, C6, isoalkanes, <5% n-hexane	
NOELR/72h	30 mg/l (Pseudokirchneriella subcapitata)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclene	
LC50	35-37 mg/l (piscis)
EC50/48h	3 mg/l (daphnia magna)
EL50/72h	10-30 mg/l (green alge)

(Contd. on page 10)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 9)

NOELR/21d	1 mg/l (daphnia magna)
LC50/96h	>13.4 mg/l (Oncorhynchus mykiss)
Alkanes, C7-10	
EL50/48h	2.4 mg/l (daphnia magna)
EL50/72h	29 mg/l (Pseudokirchneriella subcapitata)
LL50/96h	18.4 mg/l (Oncorhynchus mykiss)
NOELR/72h	6.3 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	0.17 mg/l (daphnia magna)
LC50/96h	124 mg/l (pimephales promelas)
110-54-3 n-hexane	
LC50/96h	2.5 mg/l (Pimephales promelas)
110-82-7 cyclohexane	
EC50/48h	3.78 mg/l (daphnia magna)
LC50/96h	93-117 mg/l (piscis)

· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· Ecotoxical effects:
· Remark: Toxic for fish
· Additional ecological information:
· General notes: Do not allow product to reach ground water, water course or sewage system.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
· **12.5 Results of PBT and vPvB assessment**
· PBT: Not applicable.
· vPvB: Not applicable.
· **12.6 Other adverse effects** No further relevant information available.

*
SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· Recommendation After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue	
20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 13*	solvents

· Uncleaned packaging:
· Recommendation: Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Non contaminated packagings may be recycled.

(Contd. on page 11)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 10)

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

· **14.1 UN-Number**	
· ADR, IMDG, IATA	UN1993
· **14.2 UN proper shipping name**	
· ADR	1993 FLAMMABLE LIQUID, N.O.S., special provision 640D (Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclene), ENVIRONMENTALLY HAZARDOUS
· IMDG	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclene), MARINE POLLUTANT
· IATA	FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclene)
· **14.3 Transport hazard class(es)**	
· ADR	
· Class	3 (F1) Flammable liquids.
· Label	3
· IMDG	
· Class	3 Flammable liquids.
· Label	3
· IATA	
· Class	3 Flammable liquids.
· Label	3
· **14.4 Packing group**	
· ADR, IMDG, IATA	II
· **14.5 Environmental hazards:**	Product contains environmentally hazardous substances:
· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· **14.6 Special precautions for user**	Warning: Flammable liquids.
· Danger code (Kemler):	33
· EMS Number:	F-E,S-E

(Contd. on page 12)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 11)

· Stowage Category	B
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S., SPECIAL PROVISION 640D (HYDROCARBONS, C6-C7, ISOALKANES, CYCLOALKANES, <5% N-HEXANE, HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLENE), 3, II, ENVIRONMENTALLY HAZARDOUS

*

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· Directive 2012/18/EU	
· Named dangerous substances - ANNEX I	None of the ingredients is listed.
· Seveso category	E2 Hazardous to the Aquatic Environment P5c FLAMMABLE LIQUIDS
· Qualifying quantity (tonnes) for the application of lower-tier requirements	200 t
· Qualifying quantity (tonnes) for the application of upper-tier requirements	500 t
· REGULATION (EC) No 1907/2006 ANNEX XVII	Conditions of restriction: 3, 40, 57
· National regulations:	
· Waterhazard class:	Water hazard class 2 (Self-assessment): hazardous for water.
· VOC EU	658.0 g/l
· **15.2 Chemical safety assessment:**	A Chemical Safety Assessment has not been carried out.

*

SECTION 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 phrases

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.

(Contd. on page 13)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 09.02.2018 Version number 5 Revision: 09.02.2018

Trade name: Primer AP 40

(Contd. of page 12)

H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

· Recommended restriction of use: refer to Technical Data Sheet (TDS)

· Department issuing SDS: Laboratory
· Contact: Dieter Zimmermann
Elke Hake
Fon ++49 (0)911 64296-59
@mail E.Hake@akemi.de

· Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
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 Harmonised 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 (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· * Data compared to the previous version altered.: Adaptation in accordance with REACH directive 1907/2006/EC