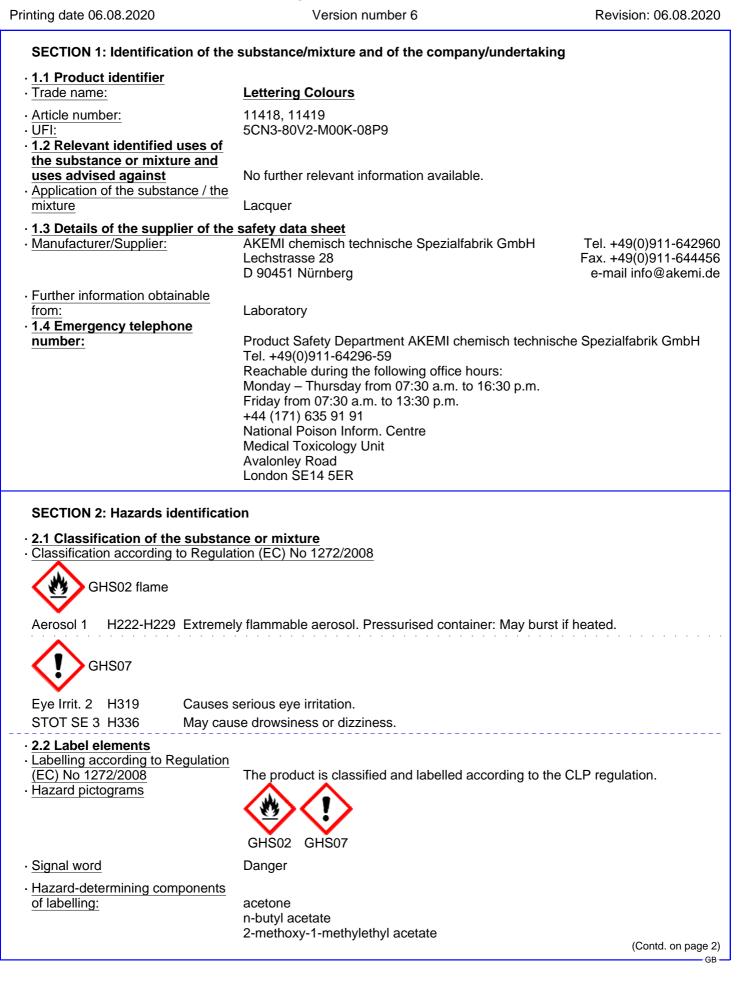
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Trade name: Lettering Colours

Hozord statements		(Contd. of page 1)
Hazard statements		tremely flammable aerosol. Pressurised container: May burst if
		ated.
		uses serious eye irritation.
		y cause drowsiness or dizziness.
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.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P261	Avoid breathing spray.
	P280	Wear protective gloves / eye protection.
		338 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/doctor if you feel unwell.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
	P501	Dispose of contents/container in accordance with local/ regional/national/international regulations.
 Additional information: 	EUH066 Repea	ated exposure may cause skin dryness or cracking.
		rdous respirable droplets may be formed when sprayed. Do not
	breathe spray of	
		osive mixtures possible without sufficient ventilation.
· 2.3 Other hazards		······
Results of PBT and vPvB asse	esment	

Results of PBT and vPvB assessment

· PBT: Not applicable. · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

• 3.2 Chemical characterisation: Mixtures

3.2 Chemical characterisation		
Description:	Mixture of substances listed below with nonhazardous additions.	
 Dangerous components: 		
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether	12.5-25%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	<10%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane	<10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane, pure Flam. Gas 1, H220; Flam. Liq. 1, H224 Press. Gas (Comp.), H280	<10%
	(Co	ontd. on page 3)

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CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-211947591-29	(Cor 2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	ntd. of page : <10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-01-8 Reg.nr.: 01-2119485395-27	isobutane (containing ≥ 0,1% butadiene (203-450-8)) Flam. Gas 1, H220; Flam. Liq. 1, H224 Press. Gas (Comp.), H280	1-5%
CAS: 9004-70-0 Index number: 603-037-00-6	nitrocellulose solutions, with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose Flam. Sol. 1, H228	1-5%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2 Reg.nr.: 01-2119489379-17-xxxx	titanium dioxide	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. Position and transport stably in side position. Immediately remove any clothing soiled by the product. Supply fresh air; consult doctor in case of complaints. After inhalation: Generally the product does not irritate the skin. After skin contact: Immediately wash with water and soap and rinse thoroughly. Rinse opened eye for several minutes under running water. If symptoms persist, After eye contact: consult a doctor. · After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately. 4.2 Most important symptoms and effects, both acute and delayed Breathing difficulty Headache Dizziness Dizziness Nausea Coughing Profuse sweating Symptoms in intoxication with (aromatic) hydrocarbons (dosis letalis about 30 g) Information for doctor: 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, gastric irrigation with added, activated carbon. If swallowed or in case of vomiting, danger of entering the lungs. (Contd. on page 4)



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<u>Trade name:</u> Lettering Colours	
	(Contd. of page 3)
SECTION 5: Firefighting measure	es
 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 	In case of fire, the following can be released: Carbon monoxide (CO)
	Formation of toxic gases is possible during heating or in case of fire. Under certain fire conditions, traces of other toxic gases cannot be excluded.
 5.3 Advice for firefighters 	
Protective equipment:	Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases.
· Additional information	Wear fully protective suit. Dispose of fire debris and contaminated fire fighting water in accordance with
	official regulations. Collect contaminated fire fighting water separately. It must not enter the sewage system.
SECTION 6: Accidental release r	neasures
· 6.1 Personal precautions,	
protective equipment and	
emergency procedures	Ensure adequate ventilation
	Keep away from ignition sources.
	Use respiratory protective device against the effects of fumes/dust/aerosol.
	Wear protective equipment. Keep unprotected persons away.
<u>6.2 Environmental precautions:</u>	Do not allow product to reach sewage system or any water course. 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:	Dispose of the material collected according to regulations.
	Ensure adequate ventilation.
<u>6.4 Reference to other sections</u>	See Section 7 for information on safe handling.
	See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
SECTION 7: Handling and storage	je
 7.1 Precautions for safe 	
handling	Keep receptacles tightly sealed.
	Ensure good interior ventilation, especially at floor level. (Fumes are heavier
	than air). Use only in well ventilated areas.
	Keep away from heat and direct sunlight.
	Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.
 Information about fire - and 	
explosion protection:	Fumes can combine with air to form an explosive mixture.
	Do not spray onto a naked flame or any incandescent material.
	Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
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· 7.2 Condi	tions for safe storage, inclu	iding any incompatibilities
 Storage: 	-	
	ents to be met by	
storeroom		re only in the original receptacle.
		vent any seepage into the ground. re in a cool location.
		serve official regulations on storing packagings with pressurised containers
 Information 	n about storage in one	
common s	torage facility: Sto Sto	re away from oxidising agents. re away from foodstuffs.
	ormation about storage	
conditions		ep container tightly sealed. not seal receptacle gas tight.
	Sto	re in cool, dry conditions in well sealed receptacles.
		tect from heat and direct sunlight.
 Storage classification 	ass: 2 B	-
· 7.3 Specif	fic end use(s) No	further relevant information available.
	8: Exposure controls/perso	onal protection
	information about echnical facilities: No	further data; see item 7.
	ol parameters	
	•	e monitoring at the workplace:
67-64-1 ad		
	rt-term value: 3620 mg/m ³ , 15	
	g-term value: 1210 mg/m ³ , 50	iu ppm
	dimethyl ether	
	rt-term value: 958 mg/m ³ , 500	
	g-term value: 766 mg/m ³ , 400) ppm
	n-butyl acetate	
	rt-term value: 966 mg/m³, 200 g-term value: 724 mg/m³, 150	
	outane, pure	, kk
	rt-term value: 1810 mg/m ³ , 75	50 ppm
	g-term value: 1450 mg/m ³ , 60	
	c (if more than 0.1% of buta-1	
	2-methoxy-1-methylethyl ac	
	rt-term value: 548 mg/m ³ , 100	
	g-term value: 274 mg/m ³ , 50 p	
· DNELs		
	atono.	
67-64-1 ac		62 mg/kg bu/dov (PE)()
Oral	DNEL (Langzeit-wiederholt)	62 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	
		62 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	2,420 mg/m³ Air (ARB)
	DNEL (Langzeit-wiederholt)	1,210 mg/m³ Air (ARB)
		200 mg/m³ Air (BEV)
	-	(Contd. on pag

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			(Contd. of page 5)	
115-10-6 c		-		
Inhalative	DNEL	. (Langzeit-wiederholt)	1,894 mg/m³ Air (ARB)	
			471 mg/m³ Air (BEV)	
123-86-4 r	า-buty	l acetate		
Oral	DNEL	. (Kurzzeit-akut)	2 mg/kg bw/day (BEV)	
	DNEL	. (Langzeit-wiederholt)	2 mg/kg bw/day (BEV)	
Dermal	DNEL	. (Kurzzeit-akut)	11 mg/kg bw/day (ARB)	
			6 mg/kg bw/day (BEV)	
	DNEL	(Langzeit-wiederholt)	11 mg/kg bw/day (ARB)	
			6 mg/kg bw/day (BEV)	
Inhalative	DNEL	. (Kurzzeit-akut)	960 mg/m³ Air (ARB)	
			860 mg/m³ Air (BEV)	
	DNEL	. (Langzeit-wiederholt)	480 mg/m³ Air (ARB)	
			102.34 mg/m³ Air (BEV)	
108-65-6 2	2-meth	oxy-1-methylethyl ac	etate	
Oral	DNEL	. (Langzeit-wiederholt)	1.67 mg/kg bw/day (BEV)	
Dermal	DNEL	. (Langzeit-wiederholt)	153.5 mg/kg bw/day (ARB)	
			54.8 mg/kg bw/day (BEV)	
Inhalative	DNEL	. (Kurzzeit-akut)	550 mg/m³ Air (ARB)	
	DNEL	. (Langzeit-wiederholt)	275 mg/m³ Air (ARB)	
			33 mg/m³ Air (BEV)	
13463-67-	7 titan	ium dioxide		
Oral	DNEL	. (Langzeit-wiederholt)	700 mg/kg bw/day (BEV)	
Inhalative	DNEL	. (Langzeit-wiederholt)	10 mg/m³ Air (ARB)	
· PNECs				
67-64-1 ad	cetone	•		
PNEC (wä	issrig)	100 mg/l (KA)		
· ·	0,	1.06 mg/l (MW)		
		10.6 mg/l (SW)		
		21 mg/l (WAS)		
PNEC (fes	st)	29.5 mg/kg Trockengew (BO)		
		3.04 mg/kg Trockengew (MWS)		
		30.4 mg/kg Trockenge	w (SWS)	
115-10-6 0	dimeth			
PNEC (wä	issrig)	160 mg/l (KA)		
		0.016 mg/l (MW)		
		0.155 mg/l (SW)		
PNEC (fes	st)	0.045 mg/kg Trockengew (BO)		
	0.0681 mg/kg Trocker		gew (MWS)	
0.681 mg/kg Trockengew (SWS)		0.681 mg/kg Trockeng	ew (SWS)	
123-86-4 r	า-buty	l acetate		
PNEC (wä	issrig)	35.6 mg/l (KA)		
		0.018 mg/l (MW)		
		0.18 mg/l (SW)		
0.36 mg/l (WAS)				
PNEC (fes	PNEC (fest) 0.0903 mg/kg Trockengew (BO)			
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	0.0981 mg/kg Trockengew (MWS)
	0.981 mg/kg Trockengew (SWS)
	noxy-1-methylethyl acetate
PNEC (wässrig)	100 mg/l (KA)
	0.0635 mg/l (MW)
	0.635 mg/l (SW)
	6.35 mg/l (WAS)
PNEC (fest)	0.29 mg/kg Trockengew (BO)
	0.329 mg/kg Trockengew (MWS)
	3.29 mg/kg Trockengew (SWS)
13463-67-7 titan	ium dioxide
PNEC (wässrig)	100 mg/l (KA)
	1 mg/l (MW)
	0.127 mg/l (SW)
PNEC (fest)	100 mg/kg Trockengew (BO)
	100 mg/kg Trockengew (MWS)
	1,000 mg/kg Trockengew (SWS)
 Additional inform 	ation: The lists valid during the making were used as basis.
 8.2 Exposure cc Personal protective General protective General protective Measures: Respiratory protection Protection of har 	ive equipment: /e and hygienic Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection. Clean skin thoroughly immediately after handling the product. 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 eyes. Avoid contact with the eyes and skin. Short term filter device: Filter A/P2 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.

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	(Contd. of page 7) This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: http://www.kcl.de). Protective gloves The glove material has to be impermeable and resistant to the
Material of gloves	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 Nitrile rubber, NBR
_	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	Value for the permeation: Level \leq 1, 10 min The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
For the permanent contact gloves made of the following materials are suitable:	
 As protection from splashes gloves made of the following materials are suitable: 	Nitrile rubber, NBR
 Not suitable are gloves made of the following materials: 	Camatril (KCL, 730, 731, 732, 733) Natural rubber, NR Chloroprene rubber, CR Leather gloves
Eye protection:	Strong material gloves Tightly sealed goggles
Body protection:	Protective work clothing
SECTION 9: Physical and chemic	cal properties
• <u>9.1 Information on basic physica</u> • <u>General Information</u> • <u>Appearance:</u> <u>Form:</u> Colour:	Aerosol
• <u>Odour:</u>	According to product specification Specific type
· <u>pH-value:</u>	Not applicable
<u>Change in condition</u>	

Melting point/freezing point: Undetermined. Initial boiling point and boiling range: Not applicable, as aerosol.

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 Flash point: 	Not applicable, as aerosol.	
Ignition temperature:	240 °C	
Auto-ignition temperature:	Product is not selfigniting.	
Explosive properties:	In use, may form flammable/explosive vapour-air mixture.	
 Explosion limits: Lower: Upper: 	1.2 Vol % 26.2 Vol %	
 Vapour pressure at 20 °C: 	4,000 hPa	
<u>Density at 20 °C:</u>	0.74 g/cm³	
Solubility in / Miscibility with water:	Not miscible or difficult to mix.	
<u>Viscosity:</u> Dynamic: <u>Kinematic:</u>	Not determined. Not determined.	
<u>Solvent content:</u> <u>Organic solvents:</u>	87.6 %	
Solids content: • 9.2 Other information	6.9 % No further relevant information available.	

SECTION 10: Stability and reactivity

 <u>10.1 Reactivity</u> 10.2 Chemical stability 	No further relevant information available.
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
10.3 Possibility of hazardous	
reactions	No dangerous reactions known.
 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 (Acu	te Toxicity Est	timates)
Dermal	LD50	146,573 mg/kg
Inhalative	LC50/4 h	465-491 mg/l (rat)
67-64-1 a	cetone	
Oral	LD50	5,800 mg/kg (rat) (OECD 401)
	NOEL	900 mg/kg (rat)
Dermal	LD50	15,688 mg/kg (rat)
		>15,800 mg/kg (rbt)
Inhalative	LC50/4 h	76 mg/l (rat)
	NOAEL	22,500 mg/m ³ (rat)
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L	.C50/48h	8,450 mg/l (cru)		
		2,262 mg/l (daphnia magna)		
115-10-6 dir	methyl ether			
Inhalative L	.C50/4h	164,000 mg/m3 (rat)		
L	.C50/4 h	308 mg/l (rat)		
L	.C50/48h	>4,000 mg/l (daphnia magna)		
123-86-4 n-l	butyl acetate			
Oral L	.D50	10,800 mg/kg (rat) (OECD 423)		
Dermal L	.D50	>17,600 mg/kg (rabbit) (OECD 402)		
Inhalative L	.C50/4 h	>21 mg/l (rat) (OECD 403)		
L	.C50	390 mg/m3 (rat)		
L	.C50/48h	64 mg/l (Brachydanio rerio)		
106-97-8 bu	itane, pure			
Inhalative L	.C50/4 h	658 mg/l (rat)		
108-65-6 2-r	methoxy-1-m	ethylethyl acetate		
Oral L	.D50	6,190 mg/kg (rat) (OECD 401)		
N	IOAEL-Werte	1,500 mg/kg (rat)		
Dermal L	.D50	>5,000 mg/kg (rabbit) (OECD 402)		
		>2,000 mg/kg (rat)		
Inhalative L	.C50/4h	>10,000 mg/m3 (rat)		
L	.C50	>23.8 mg/l (rat)		
L	.C50/4 h	35.7 mg/l (rat)		
L	.C50/48h	100 mg/l (Desmodesmus subspicatus)		
13463-67-7	titanium diox	ide		
Oral L	.D50	>5,010 mg/kg (rat)		
N	IOAEL	24,000 mg/kg (rat)		
Dermal L	.D50	>10,010 mg/kg (rbt)		
Inhalative N	IOAEL	10 mg/m³ (rat)		
L	.C50/48h	>100 mg/l (daphnia magna)		
Primary irrita				
Skin corrosio		Based on available data, the classification criteria are not me	et.	
Serious eye damage/irritation Causes serious eye irritation Based on available data the			at .	
	 <u>Respiratory or skin sensitisation</u> Based on available data, the classification criteria are not met. <u>CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)</u> 			
· Germ cell m		Based on available data, the classification criteria are not me	et.	
 Carcinogeni 	• <u>Carcinogenicity</u> Based on available data, the classification criteria are not met.			
Reproductive		Based on available data, the classification criteria are not me	et.	

- <u>Reproductive toxicity</u>
 <u>STOT-single exposure</u>
 <u>STOT-repeated exposure</u>
 <u>STOT-repeated exposure</u>
 <u>Based on available data, the classification criteria are not met.</u>
 <u>Based on available data, the classification criteria are not met.</u>
- Aspiration hazard
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

 Aquatic toxi 	<u>city:</u>
67-64-1 ace	tone
EC50/96h	7,200 mg/l (green alge)
	8,300 mg/l (piscis)
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	8,300 mg/l (lepomis macrochirus)	
	7,500 mg/l (selenastrum capricornutum)	
EC50	1,700 mg/l (bacteria)	
LC50	6,368 mg/l (piscis)	
EC5/16h	1,700 mg/l (pseudomonas putida)	
EC5/72h	28 mg/l (Entosiphon sulcatum)	
EC5/8d	530 mg/l (Microcystis aeruginosa)	
IC5/8d	7,500 mg/l (Scenedesmus quadricauda)	
EC50/48h	3,400 mg/l (green alge)	
	8,800 mg/l (daphnia magna)	
NOEC	1,700 mg/kg (pseudomonas putida)	
	4,740 mg/kg (selenastrum capricornutum)	
NOELR/28d	2,212 mg/l (daphnia magna)	
EC50/48h	12,600 mg/l (Danio rerio.)	
	8,800 mg/l (daphnia magna)	
LC50/96h	8,300 mg/l (lem)	
	8,300 mg/l (lepomis macrochirus)	
	7,500 mg/l (Leuciscus idus)	
	5,540 mg/l (Oncorhynchus mykiss)	
	8,120 mg/l (Pimephales promelas)	
115-10-6 din		
EC50/96h	154.9 mg/l (green alge)	
	>4,000 mg/l (poecilia reticulata)	
	154.917 mg/l (Pseudokirchneriella subcapitata)	
EC50/48h	>4,000 mg/l (daphnia magna)	
LC50/96h	>4,000 mg/l (poecilia reticulata)	
	putyl acetate	
EC50/24h	72.8 mg/l (daphnia magna) (DIN 38412)	
EC50/96h	320 mg/l (green alge)	
LC50/24h	205 mg/l (daphnia magna)	
IC50/72h	648 mg/l (Desmodesmus subspicatus)	
EC10/18h	959 mg/l (pseudomonas putida)	
EC50/48h	44 mg/l (daphnia magna)	
EC50/16h	959 mg/l (pseudomonas putida)	
NOEC	200 mg/kg (Desmodesmus subspicatus)	
EC50/72h	647.7 mg/l (Desmodesmus subspicatus) (Zellvermehrungshemmtest)	
	674 mg/l (Scenedesmus subspicatus)	
LC50/96h	62 mg/l (Danio rerio.)	
2000/0011	81 mg/l (piscis)	
	100 mg/l (lepomis macrochirus)	
	62 mg/l (Leuciscus idus) (DIN 38412)	
	18 mg/l (pimephales promelas) (OECD 203)	
108-65-6 2-n	nethoxy-1-methylethyl acetate	
EC50	>100 mg/l (daphnia magna)	
LC50	63.5 mg/l (Oryzias latipes)	
EC50/48h	>500 mg/l (daphnia magna) (RL 67/548/EWG. Anhang V, C.2.)	
		(Contd. on page 12)

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ErC50/72	h >1,000 mg/l (Pseudo	kirchneriella subcapitata) (OECD 201)		
EC20/0.5h	>1,000 mg/l (BES) (OECD 209)			
NOEC	47.5 mg/l (Oryzias latipes)			
NOEC/21				
EC10	>1,000 mg/l (BES)			
LC50/96h	134 mg/l (Oncorhync	134 mg/l (Oncorhynchus mykiss)		
	>1,000 mg/l (Oryzias latipes)			
	s promelas)			
13463-67-	-7 titanium dioxide			
EC50	>1,000 mg/l (bacteria	a)		
EC50/48h		,		
EC50/72h	• • •	-		
LC50/96h	U	• /		
	>1,000 mg/l (pimeph	- ,		
· 12.2 Pers	istence and			
degradab		No further relevant information available.		
	ccumulative potential	No further relevant information available.		
	ility in soil	No further relevant information available.		
General n	ecological information:	Danger to drinking water if even extremely small quantities leak into the ground.		
	0100.	Do not allow product to reach ground water, water course or sewage system.		
		Water hazard class 2 (German Regulation) (Self-assessment): hazardous for		
40 5 D		water		
• <u>12.5 Resl</u> • PBT:	ults of PBT and vPvB as	sessment Not applicable.		
$\cdot \frac{1}{VPVB}$:		Not applicable.		
· 12.6 Othe	er adverse effects	No further relevant information available.		
SECTION	13: Disposal consider	ations		
	-			
· 13.1 was	te treatment methods	Must not be disposed together with household garbage. Do not allow product to		
· <u>Necomme</u>	nualion	reach sewage system.		
· European	waste catalogue			
08 00 00	WASTES FROM THE	MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS		
	(PAINTS, VARNISHES	AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS		
08 01 00		removal of paint and varnish		
08 01 11*		containing organic solvents or other hazardous substances		
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED			
15 01 00	packaging (including separately collected municipal packaging waste)			
15 01 04	metallic packaging			
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED			
15 01 00	packaging (including separately collected municipal packaging waste)			
15 01 10*				
 Uncleaned Recommended 	d packaging:	Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.		
		(Contd. on page 13)		



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rade name: Lettering Colours			
Recommended cleansing agents:	Alcohol acetone		(Contd. of page 1
SECTION 14: Transport informat	tion		
· 14.1 UN-Number · ADR, IMDG, IATA		UN1950	
 • 14.2 UN proper shipping name • ADR • IMDG • IATA 		1950 AEROSOLS AEROSOLS AEROSOLS, flammable	
· 14.3 Transport hazard class(es)			
· <u>ADR</u>			
· <u>Class</u> · Label		2 5F Gases. 2.1	
· IMDG, IATA			
· <u>Class</u> · <u>Label</u>		2.1 2.1	
· 14.4 Packing group · ADR, IMDG, IATA		Void	
• 14.5 Environmental hazards: • Marine pollutant:		No	
14.6 Special precautions for use Hazard identification number (Kerr		Warning: Gases.	
<u>EMS Number:</u> <u>Stowage Code</u>		F-D,S-U SW1 Protected from sources of he SW22 For AEROSOLS with a Category A. For AEROSOLS w Category B. For WASTE AEROSO quarters.	maximum capacity of 1 litre vith a capacity above 1 litre
Segregation Code		SG69 For AEROSOLS with a max Segregation as for class 9. Stow " for division 1.4. For AEROSOLS with a capacity al Segregation as for the appropriate For WASTE AEROSOLS: Segregation as for the appropriate	bove 1 litre: subdivision of class 2.
• 14.7 Transport in bulk according	to Annex I	of	
Marpol and the IBC Code		Not applicable.	
			(Contd. on page

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Trade name: Lettering Colours	
	(Contd. of page 13)
Transport/Additional information:	
 <u>ADR</u> <u>Limited quantities (LQ)</u> <u>Excepted quantities (EQ)</u> 	1L Code: E0 Not permitted as Excepted Quantity
 Transport category Tunnel restriction code 	2 D
 IMDG Limited quantities (LQ) Excepted quantities (EQ) 	1L Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1
SECTION 15: Regulatory informa · <u>15.1 Safety, health and environm</u> · Directive 2012/18/EU	ition ental regulations/legislation specific for the substance or mixture
 Named dangerous substances - ANNEX I Seveso category Qualifying quantity (tonnes) for the application of lower-tier requirements Qualifying quantity (tonnes) for the 	None of the ingredients is listed. P3a FLAMMABLE AEROSOLS 150 t
Application of upper-tier requirements REGULATION (EC) No 1907/2006 ANNEX XVII	500 t Conditions of restriction: 3
DIRECTIVE 2011/65/EU on the res equipment – Annex II None of the ingredients is listed.	striction of the use of certain hazardous substances in electrical and electronic
 <u>National regulations:</u> <u>Information about limitation of use:</u> 	Employment restrictions concerning juveniles must be observed. Employment restrictions concerning pregnant and lactating women must be observed.
 Waterhazard class: VOC EU 15.2 Chemical safety 	Water hazard class 2 (Self-assessment): hazardous for water. 682.8 g/l
assessment:	A Chemical Safety Assessment has not been carried out.
	resent knowledge. However, this shall not constitute a guarantee for any specific blish a legally valid contractual relationship.
 <u>Relevant phrases</u> 	H220 Extremely flammable gas. H224 Extremely flammable liquid and vapour. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H228 Flammable solid.

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

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Trade name: Lettering Colours	
Recommended restriction of use Department issuing SDS: Contact:	refer to Technical Data Sheet (TDS) Laboratory Dieter Zimmermann
	Elke Hake Fon ++49 (0)911 64296-59 @mail E.Hake@akemi.de

Department issuing SDS:	Laboratory
Contact:	Dieter Zimmermann
	Elke Hake
	Fon ++49 (0)911 64296-59
	@mail E.Hake@akemi.de
	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de
 Abbreviations and acronyms: 	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) PNEC: Predicted No-Effect Concentration (REACH)
	LC50: Lethal concentration, 50 percent
	LD50: Lethal dose, 50 percent
	PBT: Persistent, Bioaccumulative and Toxic
	vPvB: very Persistent and very Bioaccumulative
	Flam. Gas 1: Flammable gases – Category 1
	Aerosol 1: Aerosols – Category 1
	Press. Gas (Comp.): Gases under pressure – Compressed gas
	Flam. Liq. 1: Flammable liquids – Category 1
	Flam. Liq. 2: Flammable liquids – Category 2
	Flam. Liq. 3: Flammable liquids – Category 3
	Flam. Sol. 1: Flammable solids – Category 1
	Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Carc. 2: Carcinogenicity – Category 2
	STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
\cdot * Data compared to the previous	
	Adaptation in accordance with DEACL dispetive 1007/2000/EC
version altered.	Adaptation in accordance with REACH directive 1907/2006/EC
	GB



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