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

· **1.1 Product identifier**

· **Trade name: KEIM LOTEXAN**
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Application of the substance / the mixture** Hydrophobing agent/ water repellent
· **Uses advised against** All other uses are not recommended.

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
KEIM MINERAL PAINTS LTD
Santok Building / Deer Park Way, Donnington Wood GB-Telford, Shropshire TF2 7NA
Tel +44 1952 231 250 / Fax +44 1952 231 251
www.keim.com / sales@keimpaints.co.uk

· **Further information obtainable from:**
David Pratt
Telefon: +44 1952 231250
E-Mail: sales@keimpaints.co.uk
· **1.4 Emergency telephone number:**
GBK GmbH Global Regulatory Compliance
Emergency number: +49(0)6132/84463

*
SECTION 2: Hazards identification

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

Flam. Liq. 3	H226 Flammable liquid and vapour.
STOT SE 3	H336 May cause drowsiness or dizziness.
STOT RE 1	H372 Causes damage to the central nervous system through prolonged or repeated exposure.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.

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



GHS02 GHS07 GHS08 GHS09

· **Signal word** Danger

· **Hazard-determining components of labelling:**
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

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1,2,4-trimethylbenzene

· **Hazard statements**
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H372 Causes damage to the central nervous system through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection.
P261	Avoid breathing mist/vapours/spray.
P273	Avoid release to the environment.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P315	Get immediate medical advice/attention.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P370+P378	In case of fire: Use CO2, powder or water spray to extinguish.
P405	Store locked up.
P501	Dispose of contents/container in accordance with regional/national regulations.

· **Additional information:**
EUH066 Repeated exposure may cause skin dryness or cracking.
Restricted to professional users.

· **Information concerning particular hazards for human and environment:**
Has a narcotizing effect.
Contact with skin and inhalation of aerosols / vapours of the preparation should be avoided.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable

*
SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

EC number: 919-446-0 Reg.nr.: 01-2119458049-33-XXXX	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Flam. Liq. 3, H226; STOT RE 1, H372; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336, EUH066	50-75%
EC number: 919-857-5 Reg.nr.: 01-2119463258-33-XXXX	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336, EUH066	25-50%

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CAS: 95-63-6 EINECS: 202-436-9 Reg.nr.: 01-2119472135-42-XXXX	1,2,4-trimethylbenzene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 ATE: ATE inhalative: 11 mg/l	≥1-<3%
CAS: 123-42-2 EINECS: 204-626-7 Index number: 603-016-00-1 Reg.nr.: 01-2119473975-21-XXXX	diacetone alcohol Repr. 2, H361d; Eye Irrit. 2, H319; STOT SE 3, H335 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 10%	≥0.1-<1%
CAS: 34396-03-7 EINECS: 251-995-5 Reg.nr.: 01-2119970322-42-XXXX	Trimethoxy(2,4,4-trimethylpentyl)silane Flam. Liq. 3, H226; Skin Sens. 1B, H317	≥0.1-<1%
	Octane and isomers Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	≥0.1-<1%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-XXXX	Hydrocarbons, C9, aromatics (< 0,1% Benzene) Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	≥0.1-<1%

· **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:**
When seeing the doctor we suggest to present this safety data sheet.
Immediately remove any clothing soiled by the product.
In case of unconsciousness place patient stably in side position for transportation.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
Do not use solvents or thinners.
If skin irritation continues, consult a doctor.
· **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:**
Rinse mouth and throat well with water.
Do not induce vomiting; call for medical help immediately.
· **4.2 Most important symptoms and effects, both acute and delayed**
Headache
Dizziness
Nausea

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Coughing

· **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**
In case of fire, the following can be released:
carbon oxide (COx)
silicon dioxid (SiO2)
Flammable gases/vapours
Formation of toxic gases is possible during heating or in case of fire.
· **5.3 Advice for firefighters**
· **Special protective equipment:** Wear self-contained 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.
In case of fire do not breathe smoke, fumes and vapours.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources.
Do not inhale fumes.
Avoid contact with skin and eyes.
Respect the protection rules (see section 7 and 8).
Wear protective equipment. Keep unprotected people 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.
Inform respective authorities in case of seepage into water course or sewage system.
Follow local governmental rules and regulations.
· **6.3 Methods and material for containment and cleaning up:**
Absorb with non-combustible liquid-binding material (sand, earth, diatomite, vermiculite).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Clear contaminated areas thoroughly.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Avoid contact with skin and eyes.
Do not inhale aerosols.
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
See item 8 (8.2) for information about suitable protective equipment and technical precautions.
Respect the protection rules.
· **Information about fire - and explosion protection:**
Fumes can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store only in unopened original receptacles.
Keep in the original containers in a cool and dry place.
Drip pan to be provided.
· **Information about storage in one common storage facility:** Store away from oxidising agents.
· **Further information about storage conditions:**
Keep container tightly sealed.
Protect from heat and direct sunlight.
Protect from frost.
· **Storage class:** 3
· **7.3 Specific end use(s)** No further relevant information available.

*

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
95-63-6 1,2,4-trimethylbenzene	
WEL	Long-term value: 125 mg/m³, 25 ppm ILV
123-42-2 diacetone alcohol	
WEL	Short-term value: 362 mg/m³, 75 ppm Long-term value: 241 mg/m³, 50 ppm

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· **DNELs**

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		
Oral	Long-term - systemic effects	26 mg/kg bw/day (consumer)
Dermal	Long-term - systemic effects	26 mg/kg bw/day (consumer)
		44 mg/kg bw/day (worker)
Inhalative	Long-term - systemic effects	71 mg/m³ (consumer)
		330 mg/m³ (worker)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Oral	Long-term - systemic effects	125 mg/kg bw/day (consumer)
Dermal	Long-term - systemic effects	125 mg/kg bw/day (consumer)
		208 mg/kg bw/day (worker)
Inhalative	Long-term - systemic effects	185 mg/m³ (consumer)
		871 mg/m³ (worker)
123-42-2 diacetone alcohol		
Oral	Long-term - systemic effects	3.4 mg/kg bw/day (consumer)
Dermal	Long-term - systemic effects	9.4 mg/kg bw/day (worker)
	Long-term - systemic effects	3.4 mg/kg bw/day (consumer)
Inhalative	Acute - local effects	240 mg/m³ (worker)
	Acute - local effects	120 mg/m³ (consumer)
	Long-term - systemic effects	66.4 mg/m³ (worker)
	Long-term - systemic effects	11.8 mg/m³ (consumer)
Hydrocarbons, C9, aromatics (< 0,1% Benzene)		
Oral	Long-term - systemic effects	11 mg/kg bw/day (consumer)
Dermal	Long-term - systemic effects	25 mg/kg bw/day (worker)
	Long-term - systemic effects	11 mg/kg bw/day (consumer)
Inhalative	Long-term - systemic effects	150 mg/m³ (worker)
	Long-term - systemic effects	32 mg/m³ (consumer)

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

· **8.2 Exposure controls**
· **Individual protection measures, such as personal protective equipment**
· **General protective and hygienic measures:**
Avoid contact with the eyes and skin.
Do not inhale aerosols.
Wash hands before breaks and at the end of work.
Immediately remove all soiled and contaminated clothing.
Store protective clothing separately.
· **Respiratory protection:**
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.
Short term filter device:
Filter A/P2

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· **Hand protection**
Protective gloves
Only use chemical-protective gloves with CE-labelling of category III.
After use of gloves apply skin-cleaning agents and skin cosmetics.
· **Material of gloves**
suitable material e.g.:
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.4 mm
Fluorocarbon rubber (Viton)
Recommended thickness of the material: ≥ 0.4 mm
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 ≥ 6 (480 min)
The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye/face protection** Tightly sealed goggles
· **Body protection:**
Solvent resistant protective clothing
After contact with skin wash thoroughly with water and apply lotion.
· **Environmental exposure controls**
See Section 12 and 6.2
No further relevant information available.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**
· **General Information**

· **Physical state**	Liquid
· **Colour:**	Whitish, transparent
· **Odour:**	Aromatic
· **Odour threshold:**	Not determined
· **Melting point/freezing point:**	Not determined
· **Boiling point or initial boiling point and boiling range**	>155 °C
· **Flammability**	Flammable.
· **Lower and upper explosion limit**	
· **Lower:**	0.6 Vol % Not applicable
· **Upper:**	7 Vol %
· **Flash point:**	40 °C

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· **Auto-ignition temperature:**	Not determined
· **Decomposition temperature:**	Not determined
123-42-2 | diacetone alcohol | >90 °C	
· **pH**	Not determined
· **Viscosity:**	
· **Kinematic viscosity at 40 °C**	<7* mm²/s
· **Dynamic:**	Not determined
· **Solubility**	
· **water:**	Not miscible or difficult to mix
· **Partition coefficient n-octanol/water (log value)**	Not applicable
· **Vapour pressure:**	Not determined
· **Density and/or relative density**	
· **Density at 20 °C:**	0.8-0.9* g/cm³
· **Relative density**	Not determined
· **Vapour density**	Not applicable
· **9.2 Other information**	*The values are for freshly produced material and may change with the time.
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive. However, the formation of explosive air/vapour mixtures is possible.
· **Solvent content:**	
· **VOC (EC)**	93.20 %
· **Change in condition**	
· **Softening point/range**	
· **Oxidising properties:**	Not applicable
· **Evaporation rate**	Not applicable
· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Flammable liquid and vapour.
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void

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· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void
· **Desensitised explosives**	Void

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability** Stable under normal conditions of storage and use.
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions** Develops readily flammable gases/fumes.
· **10.4 Conditions to avoid**
Heat
Flame
Sparks
· **10.5 Incompatible materials:** Oxidizing agents
· **10.6 Hazardous decomposition products:**
In case of fire, the following can be released:
Carbon oxides (COx)
Silicon dioxid (SiO2)
Flammable gases/vapours
No hazardous decomposition products if stored and handled as prescribed.

*
SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
95-63-6 1,2,4-trimethylbenzene		
Inhalative	ATE (4h)	11 mg/l (ATE)
123-42-2 diacetone alcohol		
Oral	LD50	3,002 mg/kg (rat)
Dermal	LD50	13,630 mg/kg (rabbit)
Hydrocarbons, C9, aromatics (< 0,1% Benzene)		
Oral	LD50	3,492 mg/kg (rat)
Dermal	LD50	>3,160 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,193 mg/l (rat)

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· **Primary irritant effect:**
· **Skin corrosion/irritation**
Not primarily irritating on the skin.
Has de-greasing effect on skin.
Repeated exposure may cause skin dryness or cracking.
· **Serious eye damage/irritation**
In case of longer exposure, slightly irritating effect to the eyes is possible.
· **during inhalation:**
Vapours may cause drowsiness and dizziness.
Irritant effect possible.
· **during swallowing:**
May cause lung damage if swallowed.
Irritant effect possible.
· **STOT-single exposure** May cause drowsiness or dizziness.
· **STOT-repeated exposure**
Causes damage to the central nervous system through prolonged or repeated exposure.
· **Aspiration hazard** May be fatal if swallowed and enters airways.
· **Other information (about experimental toxicology):**
Experimental analysis are not available.
The product was not tested. The statements on toxicology have been derived from the properties of the individual components.
· **Subacute to chronic toxicity:**
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** Not applicable
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**
None of the ingredients is listed.

*
SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:**
Toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.

123-42-2 diacetone alcohol	
NOEC	1,000 mg/l /(72h) (algae) (OECD 201)
	>100 mg/l /(21d) (daphnia) (OECD 211)
EC 50/24h	9,000 mg/l (daphnia)
LC 50/96 h	420 mg/l (fish)
IC 50/72h	>1,000 mg/l (algae)
Hydrocarbons, C9, aromatics (< 0,1% Benzene)	
NOEL	1 mg/l (Freshwater algae) (72h)
EL50	3.2 mg/l (daphnia) (48h)
ErL50	2.9 mg/l (Freshwater algae) (72h)

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LL50	9.2 mg/l (Oncorhynchus mykiss) (96h)

· **12.2 Persistence and degradability**
Easily biodegradable

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	(OECD 301B, 28d) 80 %
Hydrocarbons, C9, aromatics (< 0,1% Benzene)	(28d) 78 %

· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.

· **Koc**		
95-63-6	1,2,4-trimethylbenzene	846,864

· **Log Koc**		
95-63-6	1,2,4-trimethylbenzene	2,9

· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable
· **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
· **12.7 Other adverse effects**
· **Additional ecological information:**
· **AOX-indication:**
According to our standard of knowledge the product does not contain any organic bounded halogen.
The product has no influence on the waste water's AOX-value.
· **According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/EC:**
According to our current data base the product does not consist of any heavy metals or substances of EU guideline NO. 2006/11/EC.
· **General notes:**
The product contains materials that are harmful to the environment.
Do not allow product to reach ground water, water course or sewage system.
Also poisonous for fish and plankton in water bodies.
At present there are no ecotoxicological assessments.
The statements on ecotoxicology have been derived from the properties of the individual components.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Danger to drinking water if even extremely small quantities leak into the ground.

*
SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Must not be disposed with household garbage. Do not allow product to reach sewage system.
Disposal must be made according to official regulations.

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· **European waste catalogue**	
14 06 03*	other solvents and solvent mixtures

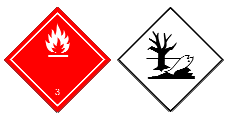
· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agents:** Water, if necessary with cleansing agents.

*
SECTION 14: Transport information

· **14.1 UN number or ID number**
· **ADR, IMDG, IATA** UN1993

· **14.2 UN proper shipping name**
· **ADR** 1993 FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics), MARINE POLLUTANT/ ENVIRONMENTALLY HAZARDOUS
· **IMDG** FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics), MARINE POLLUTANT
· **IATA** FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics)

· **14.3 Transport hazard class(es)**
· **ADR, IMDG**



· **Class** 3 Flammable liquids
· **Label** 3

· **IATA**



· **Class** 3 Flammable liquids
· **Label** 3

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· **14.4 Packing group**	
· **ADR, IMDG, IATA**	III
· **14.5 Environmental hazards:**	Product contains environmentally hazardous substances: Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
· **Marine pollutant:**	Yes Symbol (fish and tree)
· **Special marking (ADR):**	Symbol (fish and tree)
· **14.6 Special precautions for user**	Warning: Flammable liquids
· **Hazard identification number (Kemler code):**	30
· **EMS Number:**	F-E,S-E
· **Stowage Category**	A
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable
· **Transport/Additional information:**	
· **ADR**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **Transport category**	3
· **Tunnel restriction code**	D/E
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **UN "Model Regulation":**	UN 1993 FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS, C9-C12, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%), HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

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SECTION 15: Regulatory information

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

· **Regulated explosives precursors**
None of the ingredients is listed.

· **Regulated poisons**
None of the ingredients is listed.

· **Reportable explosives precursors**
None of the ingredients is listed.

· **Reportable poisons**
None of the ingredients is listed.

· **Labelling according to Regulation (EC) No 1272/2008**
For information on labelling please refer to section 2 of this document.

· **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
· **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (UK ANNEX XIV)**

· **ANNEX I EXPORT SUBSTANCES DECLARABLE FOR EXPLOSIVES in quantities > 1%.**
None of the ingredients is listed.

· **National regulations:**

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
· **Other regulations, limitations and prohibitive regulations**
· **Please note:**
TRGS 200 (Germany)
TRGS 500 (Germany)
TRGS 510 (Germany)
TRGS 900 (Germany)
· **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.

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H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H372 Causes 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.
EUH066 Repeated exposure may cause skin dryness or cracking.

· **Department issuing SDS:** KEIMFARBEN Germany, Product safety department
· **Abbreviations and acronyms:**
WEL: Workplace exposure limit
ADR: Accord relatif au transport international 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)
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
EC10: Effective concentration at 10% mortality rate.
EC50: Half maximal effective concentration.
LC10: Lethal concentration at 10% mortality rate.
NOEC: No observed effect concentration.
UK REACH: Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) No.1907/2006)
ATE: Acute toxicity estimate values
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 Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1B: Skin sensitisation – Category 1B
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
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.**