MOGAT
Dachsysteme II Bauwerksabdichtungen

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

Print date: 02.03.2021 Version number 1 revised on: 14.12.2020

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SECTION 1: Identification of the substance/mixture and of the Company

ÿ **1.1 Product identifier** ÿ **Trade**

name: MOGAT LIQUID KAT

ÿ **Article number:** HW15012 ÿ **UFI:**
V300-C0GX-S004-G3KU ÿ **1.2 Relevant**
identified uses of the substance or mixture and uses advised against see section 16

ÿ **Use of the substance / the mixture** Hardener

ÿ **1.3 Details of the supplier of the safety data sheet** ÿ **Manufacturer/Supplier:**

MOGAT-Werke Adolf Böving Bitumen- und Dachpappenfabrik GmbH Ingelheimstraße 2
D-55120 Mainz Tel.
06131 / 96 00 8-0
Fax: 06131 / 96 00 8-99
Internet: www.mogat-werke.de
EMail: info@mogat-werke.de ÿ
Information department: Product

Safety Department Mr. Pietzsch Tel.
06131 / 96 00 8-132 EMail:
a.pietzsch@mogat-
werke.de ÿ **Emergency number:**

Information desk availability
Monday to Friday: 7:00 - 17:00

SECTION 2: Hazards identification

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

GHS02 Flame

Org. Perox. D H242 Heating may cause fire.

GHS09 Environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

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

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ÿ **Hazard pictograms**

GHS02 GHS07 GHS09

ÿ **Signal word** Danger

ÿ **Hazard-determining components for labelling:**
Dibenzoyl peroxide ÿ
Hazard warnings
H242 Heating may cause fire.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H410 Very 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.
P234 Store only in original packaging.
P273 Avoid release to the environment.
P280 Wear protective clothing/eye protection.
P370+P378 In case of fire: Use to extinguish: CO2, dry powder or water spray.
P403+P235 Store in a well-ventilated place. Keep cool. **2.3 Other hazards** Results **of PBT and vPvB assessment**
PBT : Does not meet the PBT criteria according to Annex XIII of REACH (self-classification). **vPvB:** Does not meet the vPvB criteria according to Annex XIII of REACH (self-classification).

SECTION 3: Composition/Information on ingredients

3.2 **Mixtures**

Description : Mixture of the following substances with non-hazardous additions. **Hazardous ingredients:**

CAS: 94-36-0 Dibenzoyl peroxide EINECS: 202-327-6 Org. Perox. B, H241; Aquatic Acute 1, H400; Aquatic Chronic 1, Reg. no.: 01-2119511472-50 H410; Eye irritation. 2, H319; Skin Sens. 1, H317 CAS: 94-49-5 Ethylene dibenzoate EINECS: 202-338-6 Aquatic Chronic 2, H411 Reg. no.: 01-2120759933-41		25-50%
		25-50%

ÿ **Additional information:**
The wording of the hazard statements listed can be found in section 16.

SECTION 4: First aid measures

ÿ **4.1 Description of first aid measures** ÿ **General information:**
Immediately remove any clothing contaminated with the product.
Remove the affected person from the danger area and lie down.
If symptoms occur, or in all cases of doubt, consult a doctor. Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position and seek medical advice. ÿ **After inhalation:** If unconscious, place and transport in the recovery position.

Remove the affected person to fresh air and keep calm. Seek medical attention.

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ÿ **After skin contact:**

Wash immediately with soap and water and rinse thoroughly.
If skin irritation persists, consult a doctor.
Remove contaminated clothing immediately.

ÿ **After eye contact:** Rinse
opened eye for several minutes under running water and consult a doctor. ÿ **After swallowing:**

Rinse mouth with water (only if the victim is conscious).
Do NOT induce vomiting. Get medical help immediately. **4.2 Most**
important symptoms and effects, both acute and delayed: Irritant effect on skin, eyes and respiratory system. **4.3 Indication of any immediate medical attention**
and special treatment needed: No further relevant information available.

SECTION 5: Firefighting measures

ÿ **5.1 Extinguishing**
media ÿ **Suitable extinguishing**
media: Carbon dioxide, sand, extinguishing powder, foam.
Water spray jet ÿ **For**
safety reasons, unsuitable extinguishing agents: Halons Water with full jet ÿ
5.2 Special hazards
arising from the substance or mixture In the event of decomposition without fire, there is a risk of explosion from the resulting vapor-air mixture. Caution: Re-ignition may occur. Decomposition under the influence of heat.

Do not inhale in case of fire and/or explosion.
At the temperature of self-accelerating decomposition (+55 °C) the product decomposes in an explosive manner.

CAUTION: Re-ignition possible; the product maintains combustion processes.
Fire produces thick black smoke. Inhalation of hazardous decomposition products can cause serious health damage.

Under certain fire conditions, traces of other toxic substances cannot be ruled out.
Carbon monoxide (CO)
Carbon dioxide (CO2)
Benzoic acid, Benzene ÿ
5.3 Advice for firefighters ÿ **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear full protective suit.
Wear self-contained breathing apparatus. ÿ **Further information** Cool endangered containers with water spray.
Evacuate all non-essential personnel. Extinguish a small fire with powder or carbon dioxide, followed by water to prevent reignition.

SECTION 6: Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures** Do not breathe dust.

Keep away from ignition sources.

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Avoid electrostatic charging.
If the temperature continues to rise, cool with a jet of water from a safe distance.
Use respiratory protection when exposed to vapors/dust/aerosol.
Wear protective equipment. Keep unprotected persons away. **6.2 Environmental protection measures:**

Do not allow to enter sewers/surface water/groundwater.
If product enters waterways or sewage systems, notify the relevant authorities. **6.3 Methods and materials for containment and cleaning up:** Do not flush with water or aqueous cleaning agents.
Ensure adequate ventilation.
Dispose of in suitable containers for recovery or disposal.
First moisten with water. ÿ **6.4 Reference to other sections**

For information on safe handling, see section 7.
For information on personal protective equipment, see section 8.
For disposal information, see section 13.

SECTION 7: Handling and storage

ÿ **7.1 Precautions for safe handling** Do not return residual quantities to the storage containers.
Keep container tightly closed.
Store in well-sealed containers in a cool, dry place.
Protect from heat and direct sunlight.
When transferring larger quantities without extraction system: respiratory protection.
The amount of supplies in the workplace must be limited.
Handle carefully - avoid shock, friction and impact.
Ensure good ventilation/extraction at the workplace. At least 7 air changes per hour. **Information on fire and explosion protection:** Highly volatile, flammable components are released during processing.
Keep away from ignition sources - no smoking.
Use explosion-proof equipment/fittings and non-sparking tools.
Dust can form an explosive mixture with air.
Substance/product is oxidizing when dry.

ÿ **7.2 Conditions for safe storage, including any incompatibilities** ÿ **Storage:** ÿ **Requirements to be met by storerooms and containers:** Keep only in the original container.

Safely prevent penetration into the ground.
Use only containers specifically approved for the substance/product.
Store in accordance with local and national regulations.
Store in a cool place. ÿ **Information on storage compatibility:** Organic peroxides must not be stored together with heavy metal compounds or amines or their preparations. ÿ **Further information on storage conditions:** Store in tightly closed containers in a cool, dry place. Max. storage temperature 30 °C. Keep container in a well-ventilated place.

Protect from contamination.
Store in a cool place.
Keep contents moist.
Keep container tightly closed. ÿ **Storage class:** Storage class 5.2 "Organic peroxides and self-reactive hazardous substances" according to TRGS 510 ÿ **Classification according to the German Industrial Safety Ordinance (BetrSichV):** -

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ÿ **GiSCode** RMA10 Coatings containing methyl methacrylate, irritating ÿ **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/Personal protective equipment

8.1 **Parameters to be monitored**

ÿ **Components with workplace-related limit values that require monitoring:**	
94-36-0 Dibenzoyl peroxide (25-50%)	
AGW long-term value: 5 E mg/m³ 1(I);DFG	

ÿ **DNEL values**		
94-36-0 Dibenzoyl peroxide		
Oral DNEL	(population) 1.65 mg/kg bw/day (population)	
Dermal DNEL		11.75 mg/m³ (workers / industry / trade) 2.9 mg/m³ (population)
DNEL		6.6 mg/kg bw/day (workers / industry / trade) 3.3 mg/kg bw/day (population)
94-49-5 Ethylene dibenzoate		
Dermal DNEL	(worker) 3 mg/kg bw/day (Long-term - systemic effects)	
Inhalative DNEL	(worker) 10.6 mg/m³ (long-term - systemic effects)	

ÿ **PNEC values**		
94-36-0 Dibenzoyl peroxide		
Oral PNEC oral 6.67 mg/kg (food)		
	PNEC 0.0758 mg/kg (soil)	
		0.338 mg/kg (sediment) (freshwater)
	PNEC 0.35 mg/l (sewage treatment plant)	
		0.0000602 mg/l (marine water) 0.000602 mg/l (fresh water)
94-49-5 Ethylene dibenzoate		
	PNEC 0.44 mg/l (soil) 2.23 mg/l	
		(sediment) 0.00073 mg/l
		(marine water) 0.0073 mg/l (fresh water) ÿ **Additional information:**

The lists valid during the compilation were used as basis. ÿ **8.2 Exposure controls** ÿ **Appropriate engineering controls** No further data; see section 7. ÿ **Individual protection measures, such as personal protective equipment** ÿ **General protective and hygienic measures:** Avoid contact with eyes and skin.

Remove contaminated clothing immediately.
Wash your hands before breaks and at the end of work.
Preventive skin protection through skin protection ointment.
Keep away from food, drink and animal feed.
Avoid prolonged and intensive skin contact.
Avoid contact with eyes. Respiratory **protection**

Indoors and when limit values are exceeded, use a breathing apparatus: filter type A1, for high concentrations use A2, for intensive or prolonged exposure use a self-contained breathing apparatus.

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The use of respiratory protection hoods is recommended, as there are no wearing time restrictions and no preventive examinations according to G26 are necessary. ÿ **Hand protection**

Protective gloves (EN 374)

The glove material must be impermeable and resistant to the product/substance/preparation.

Selection of glove material taking into account breakthrough times, permeation rates and degradation.

Preventive skin protection through the use of skin protectants is recommended.
Use skin cleansers and skin care products after using gloves.
Check protective gloves for proper condition before each use. **Glove material:** The selection of suitable gloves depends not only on the
material, but also on other quality characteristics and varies from manufacturer to manufacturer.

Protective gloves according to EN 374.

Penetration time of glove material : Our recommendation
refers to a single, short-term use as protection against liquid splashes. For other applications, please contact the glove manufacturer.

The exact breakthrough time must be determined from the manufacturer of the protective gloves and must be observed.
ÿ **For continuous contact in areas of application without increased risk of injury (e.g. laboratory), gloves made of the following material are suitable:** Neoprene gloves Nitrile rubber

ÿ **For permanent contact, gloves made of the following materials are suitable:** Butyl rubber ÿ **Gloves made of the following materials are not suitable:** Leather gloves ÿ **Eye/face protection**

Tightly sealed safety goggles EN standard: EN 166

ÿ **Body protection:**

protective work clothing

SECTION 9: Physical and chemical properties

ÿ **9.1 Information on basic physical and chemical properties** ÿ **General Information** ÿ **Physical state** Solid White
ÿ **Colour** ÿ **Odour:** Weak ÿ
Odour threshold: Not determinable. ÿ **Melting point/freezing point:** 58 °C
(Decomposition) ÿ **Boiling point or initial boiling point and boiling range** Not applicable (Decomposes) ÿ **Flammability** Decomposition products can be flammable.

May cause fire.

ÿ **Lower and upper explosion limits** ÿ **Lower:** Not determined.
Upper: Not determined.
ÿ **Flash point:** Not applicable.

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ÿ **Ignition temperature**	Decomposition product(s) may be flammable.
ÿ **Decomposition temperature SADT - (Self accelerating decomposition temperature) is the lowest temperature at which even accelerating decomposition in the Transport packaging can occur. dangerous self-accelerating Decomposition reaction under unfavorable circumstances, explosions or fire may occur due to thermal decomposition at or above the SADT. Contact with incompatible substances can also below the SADT a decomposition be brought about.**	
Temperature of the self-accelerating Decomposition **(SADT)::**	55 °C
pH at 20 °C: Viscosity :	7
ÿ **Kinematic viscosity**	Not applicable.
Dynamic: ÿ	Not applicable.
Solubility	
ÿ **Water:** ÿ	Not or only slightly miscible.
Partition coefficient n-octanol/water (log-Value) Dibenzoyl peroxide ÿ	log POW 3.2 at 22 °C (OECD 107; ECHA)
Vapor pressure:	Not applicable.
ÿ **Density and/or relative density**	
ÿ **Density:**	Not determined.
ÿ **Relative density** ÿ	Not determined.
Bulk density: ÿ	640 kg/m³
Vapor density ÿ	Not applicable.
Particle properties	See section 3.
9.2 **Other information**	Active oxygen 3.24 - 3.47%
ÿ **Appearance:**	
ÿ **Form:**	powder
ÿ **Important information on health and environmental protection and safety**	
ÿ **Explosive properties:** ÿ **Change of state**	The product is not explosive.
ÿ **Softening point or range**	
Oxidizing **properties: Evaporation** rate	not available Not applicable.
ÿ **Information on physical hazard classes**	
ÿ **Explosive substances/mixtures and articles containing Explosives** are eliminated	
Flammable **gases** not applicable	
ÿ **Aerosols** are no longer required	
Oxidizing **gases** are eliminated	
Gases **under pressure** are not applicable	
ÿ **Flammable liquids** not applicable	
Flammable **solids** not applicable	
ÿ **Self-reactive substances and mixtures** not applicable	
ÿ **Pyrophoric liquids** are not required	
ÿ **Pyrophoric solids** not applicable	

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ÿ **Self-heating substances and mixtures** not applicable ÿ **Substances and mixtures which emit flammable gases in contact with water** not applicable not applicable not applicable Heating can cause fire.

ÿ **Oxidizing liquids** ÿ **Oxidizing solids** ÿ **Organic peroxides** ÿ

Substances and mixtures corrosive to metals not applicable

ÿ **Desensitized substances/mixtures and Products containing explosives** not applicable

SECTION 10: Stability and reactivity

ÿ **10.1 Reactivity** see section 10.2 ÿ **10.2 Chemical stability** ÿ **Thermal decomposition / conditions to be avoided:** SADT - (Self-accelerating decomposition temperature) is the lowest temperature at which self-accelerating decomposition can occur in the transport packaging.

A dangerous self-accelerating decomposition reaction, under adverse conditions explosion or fire, may occur due to thermal decomposition at or above the stated temperature: 55 °C. Contact with incompatible substances may cause decomposition at or below the SADT of 55 °C.

To avoid thermal decomposition, do not overheat.
Avoid impact, friction, heat, sparks, and electrostatic charging. ÿ **10.3 Possibility of hazardous reactions** Reacts with alkalis, amines, and strong acids.
Reacts with certain metals. **10.4 Conditions to avoid:** Avoid shock, friction, heat, sparks, and electrostatic charging. **10.5 Incompatible materials:** Avoid contact with rust, iron, and copper.

Dangerous decomposition in contact with incompatible substances such as acids, alkalis, heavy metals and reducing agents.

Do not mix with peroxide accelerators.
Only use stainless steel according to DIN 1.4571, PVC, polyethylene or glass-lined equipment.
Acids and bases Iron
Copper
Reducing agents Heavy metals
Rust

10.6 **Hazardous decomposition products:** In case of fire: see section 5.

SADT (Self-Accelerating Decomposition Temperature) is the lowest temperature at which self-accelerating decomposition can occur in the transport packaging. A dangerous self-accelerating decomposition reaction, explosion, or fire under adverse conditions can occur due to thermal decomposition at or above the SADT. Contact with incompatible substances can cause decomposition at or below the SADT.
Further information: Emergency measures depend on the specific circumstances. The user must have an emergency action plan in place at the workplace.

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SECTION 11: Toxicological information

11.1 **Information on hazard classes according to Regulation (EC) No. 1272/2008** There are no toxicological findings for the mixture. **Acute toxicity** Based on available data, the classification criteria are not met. **LD/LC50 values relevant for classification: 94-36-0 Dibenzoyl peroxide** Oral

	LD50 >2,000 mg/kg (mouse)
Inhalation	LC50 >24,300 mg/l (rat) (dust)

94-49-5 Ethylene dibenzoate Oral

LD50	>2,000 mg/kg (rat) (OECD 423)
	NOAEL 300 mg/kg (rat) (OECD 422)

ÿ **Skin corrosion/irritation** Irritant effect Based on available data, the classification criteria are not met. ÿ **Serious eye damage/irritation** Causes serious eye irritation. ÿ **Respiratory or skin sensitization** May cause an allergic skin reaction. ÿ **Germ cell mutagenicity** Based on available data, the classification criteria are not met. ÿ **Carcinogenicity** Based on available data, the classification criteria are not met. ÿ **Reproductive toxicity** Based on available data, the classification criteria are not met. ÿ **STOT-single exposure** Based on available data, the classification criteria are not met. ÿ **STOT-repeated exposure** Based on available data, the classification criteria are not met. ÿ **Aspiration hazard** Based on available data, the classification criteria are not met. Subacute **to chronic toxicity: 94-36-0 Dibenzoyl peroxide** Oral NOAEL

		200 mg/kg/d (rat) adverse effect observed 500 mg/kg/d (unknown)
		Concentration at which no harmful effect was observed.
	NOAEL/29d	1,000 mg/kg/d (Unknown)
		Concentration at which no harmful effect was observed. **Additional**

toxicological information: Repeated **dose toxicity**

94-49-5 Ethylene dibenzoate Oral

LOAEL/92d	1,000 mg/kg (Rat) (OECD 422) ÿ **11.2 Information**

on other hazards ÿ **Endocrine disrupting**

properties None of the ingredients are listed.

SECTION 12: Environmental information

12.1 **Toxicity**

94-49-5 Ethylene dibenzoate EC50/3h

	(static) >1,280 mg/l (activated sludge) (OECD 209)
EC50/21d	1.4 mg/l (daphnia magna) (OECD 211)
	EC10/21d (static) 0.79 mg/l (daphnia magna) (OECD 211)

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Aquatic **toxicity:**	
94-36-0 Dibenzoyl peroxide	
EC50	35 mg/l (bacteria) (activated sludge respiration inhibition test) 0.5 h 0.11 mg/l
EC50/48h	(daphnia magna) (OECD Guideline 202) 0.06 mg/l (fish) 0.02
LC50/96h	mg/l
NOEC/72h	(Pseudokirchneriella subcapitata) (OECD 201) 0.0711 mg/l
EC50/72h	(Pseudokirchneriella subcapitata) (OECD 201) 0.077 mg/l (daphnia magna)
NOEC	(OECD Guideline 202) 48 h
	0.0316 mg/l (rainbow trout) OECD 203 96 h
94-49-5 Ethylene dibenzoate	
LC50/96h (static) >0.434 mg/l (Danio rerio) (Acute toxicity to fish)	
ErC50/72h (static) >0.87 mg/l (Pseudokirchneriella subcapitata) (OECD 201)	
NOEC/72h (static) 0.045 mg/l (Pseudokirchneriella subcapitata) (OECD 201)	
NOEC/21d (static) 0.65 mg/l (daphnia magna) (OECD 211)	
NOEC (static) 0.073 mg/l (Danio rerio) (OECD 210) ÿ **12.2 Persistence**	

and degradability Ethylene glycol dibenzoate

Biodegradability: Test Type:
Closed bottle test
Biodegradation: 81 % Exposure time: 28 d Method: OECD Test Guideline 301D GLP: yes Readily

biodegradable.

Dibenzoyl peroxide
Biodegradability: Result: Potentially biodegradable ÿ **12.3 Bioaccumulative potential**
Dibenzoyl peroxide: Partition coefficient: n-octanol/water ÿ **12.4**
Mobility in soil Dibenzoyl peroxide log Koc: : log Pow: 3.2 (20 °C)
6310 (22 °C) ÿ **12.5 Results of PBT and vPvB assessment** ÿ **PBT:** Does not meet the PBT criteria according to Annex XIII of REACH (self-classification). ÿ **vPvB:** Does not meet the vPvB criteria according to Annex XIII of REACH (self-classification). ÿ **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties. ÿ **12.7 Other adverse effects** ÿ **Remark:**
Very toxic to aquatic life.

Toxic to fish.
Additional ecological information:
General notes: Water hazard class 2 (self-assessment): highly hazardous for water. Do not allow product to reach ground water, water bodies or sewage system.
Even small amounts of water leak into the ground pose a threat to drinking water.
In waters, it is also toxic to fish and plankton. Toxic to aquatic organisms

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SECTION 13: Disposal considerations

13.1 **Waste treatment methods** Hazardous waste
according to the Waste Catalogue Ordinance (AVV). If recycling is not possible, waste must be disposed of in accordance with local regulations. **Recommendation:**

Do not dispose of with household waste. Do not empty into sewage system.

Must be treated according to official regulations. **European waste catalogue** 16 00 00 WASTES NOT ELSEWHERE

LISTED IN THE LIST 16 09 00 Oxidising	
substances 16 09 03* Peroxides, e.g. hydrogen peroxide	

ÿ **Uncleaned packaging:** ÿ
Recommendation:
Packaging must be emptied of all residues and disposed of properly in accordance with legal regulations.

Packaging that is not completely emptied must be disposed of in coordination with the regional waste disposal company.
Disposal in accordance with official regulations.

SECTION 14: Transport information

ÿ **14.1 UN number or ID number** ÿ **ADR, IMDG, IATA**	UN3106
14.2 **UN proper shipping name** ADR	3106 ORGANIC PEROXIDE TYPE D, SOLID (Dibenzoyl peroxide)
IMDG	ORGANIC PEROXIDE TYPE D, SOLID (dibenzoyl peroxide), MARINE POLLUTANT
IATA	ORGANIC PEROXIDE TYPE D, SOLID (dibenzoyl peroxide)
14.3 **Transport hazard classes**	
ADR	
	
ÿ **Class** ÿ **Danger label**	5.2 (P1) Organic peroxides 5.2
IMDG	
	
Class	5.2 Organic peroxides

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ÿ **Label**	5.2
IATA	
	
Class	5.2 Organic peroxides
Label	5.2
14.4 **Packaging group**	
ADR , **IMDG, IATA**	not applicable
14.5 **Environmental hazards:**	
Marine pollutant :	Yes
	Symbol (fish and tree)
ÿ **Special marking (ADR):**	Symbol (fish and tree)
14.6 **Special precautions for the**	
User Caution: Organic peroxides	
ÿ **Hazard identification number (Kemler number):** ÿ **EMS**	
	539
number: ÿ **Stowage**	FJ,SR
Category ÿ **Stowage**	D
Code ÿ **Segregation**	SW1 Protected from sources of heat.
Code	SG35 Stow "separated from" SGG1 acids
	SG36 Stow "separated from" SGG18-alkalis.
	SG72 Lake 7.2.6.3.2.
14.7 Bulk **cargo transport by sea**	
according to IMO instruments ÿ	Not applicable.
Transport/additional information:	
ADR	
Limited **Quantity (LQ)** Excepted	500g
Quantity (EQ)	Code: E0
	Not permitted in exempted quantities
ÿ **Transport category** ÿ **Tunnel**	2
restriction code	D
IMDG	
ÿ **Limited quantities (LQ)** ÿ	500g
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
ÿ **UN "Model Regulation":**	UN 3106 ORGANIC PEROXIDE TYPE D, SOLID (DIBENZOYL PEROXIDE), 5.2

SECTION 15: Legislation

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

Directive 2012 /**18/EU**

ÿ **Named dangerous substances - ANNEX I** None of the ingredients are listed.

ÿ **Seveso category**
P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES

E1 Hazardous to the aquatic environment

ÿ **Qualifying quantity (in tonnes) for use in lower-tier establishments** 50 t

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ÿ **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t ÿ **Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II** None of the ingredients are listed.

REGULATION **(EU) 2019/1148** Annex **I -**

RESTRICTED EXPLOSIVES PRECURSORS (Upper concentration limit for an authorisation under Article 5(3))

None of the ingredients are included.

Annex **II - Reportable explosive precursors**

None of the ingredients are included.

ÿ **National regulations:**

ÿ **Information on employment restrictions:** Observe employment restrictions according to the Youth at Work Protection Directive (94/33/EC).
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant and breastfeeding mothers.

ÿ **Major Accident Ordinance:**
The quantity thresholds according to the Major Accident Ordinance must be observed.
Substance/preparation listed in Directive 96/82/EC (Major Accident Regulation).

Water hazard class: WGK 2 (self-classification): significantly hazardous to water. **Other regulations,**

restrictions, and prohibition regulations : TRGS 510 "Storage of hazardous substances in portable containers"
DGUV Regulation 13 "Organic Peroxides"
The product is subject to Annex 2 of the Chemicals Prohibition Ordinance (ChemVerbotsV) - Requirements relating to the supply ÿ **15.2 Chemical safety assessment:**
A chemical safety assessment has not been carried out.

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SECTION 16: Other information This information refers to the product in the delivered condition.

Sector of use Relevant identified uses of the mixture SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites SU19 Construction SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against SU21 Consumer uses: Private households / general public / consumers The information is based on our current state of knowledge.

However, it does not represent a guarantee of product properties and does not establish a legal contractual relationship.

ÿ **Relevant sentences**

H241 Heating may cause fire or explosion.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
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.

(Continued on page 14)

MOGAT
Dachsysteme & Bauwerksabdichtungen

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

Trade name: MOGAT LIQUID KAT

(Continued from page 13)

ÿ **Training instructions**

Instructions on hazards and protective measures based on the operating instructions (TRGS 555).

Training must be provided before the start of employment and at least annually thereafter. **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)

ICAO: International Civil Aviation Organization
ADR: Accord relative to 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 Harmonized System of Classification and Labeling 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
vPvB: very Persistent and very Bioaccumulative
Org. Perox. B: Organic peroxides – Type B
Org. Perox. D: Organic peroxides – Type C/D
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens.
1: Skin sensitization – 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

Sources
www.gestis.de

www.echa.eu logkow.cisti.nrc.ca

* **Data changed compared to the previous version**