according to 1907/2006/EC, Article 31

Printing date 03.03.2021 Version number 12 Revision: 03.03.2021

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

· 1.1 Product identifier

Hardener B-Liquid · Trade name:

30423, 30483 · Article number:

· UFI: CUW3-D06C-X00K-G2CP

· 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 Hardening agent/ Curing agent

· 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

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH number:

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

Org. Perox. D H242 Heating may cause a fire.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eve Dam. 1 H318 Causes serious eye damage.

### · 2.2 Label elements

· Labelling according to Regulation

(EC) No 1272/2008 · Hazard pictograms

The product is classified and labelled according to the CLP regulation.







GHS02 GHS05 GHS07

· Signal word Danger

· Hazard-determining components of

labelling: 2-Butanone, peroxide

H242 Heating may cause a fire. · Hazard statements

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

· Precautionary statements If medical advice is needed, have product container or label at P101

hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

Keep away from heat, hot surfaces, sparks, open flames and P210

other ignition sources. No smoking.

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P220 Keep away from reducing agents, heavy metal compounds,

acids and alkalis.

P234 Keep only in original packaging.
P260 Do not breathe mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face

protection/hearing protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water [or shower].

P305+P351+P338 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.

P405 Store locked up. P410 Protect from sunlight.

P411+P235 Store at temperatures not exceeding 25°C. Keep cool.

P420 Store away from reducing agents.

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

· <u>Description:</u> Mixture of substances listed below with nonhazardous additions.

· Dangerous components:				
CAS: 1338-23-4 EC number: 700-954-4 Reg.nr.: 01-2119514691-43	2-Butanone, peroxide	Org. Perox. D, H242 Skin Corr. 1B, H314; Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H332	25-50%	
CAS: 111-46-6 EINECS: 203-872-2 Index number: 603-140-00-6 Reg.nr.: 01-2119457857-21	2,2'-oxybisethanol	Acute Tox. 4, H302	1-5%	
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43	butanone	Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	1-5%	
Additional information: For the warding of the listed hazard phrases refer to section 16				

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

### **SECTION 4: First aid measures**

· After inhalation:

#### · 4.1 Description of first aid measures

· General information: Seek immediate medical advice.

Take affected persons out of danger area and lay down. 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. Take affected persons into fresh air and keep guiet.

In case of unconsciousness place patient stably in side position for

transportation.

Supply fresh air and to be sure call for a doctor.

· After skin contact: Immediately rinse with water.

Immediate medical treatment necessary. Failure to treat burns can prevent

wounds from healing.

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· After swallowing:

· After eye contact: Call a doctor immediately.

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Rinse opened eye for several minutes under running water. Then consult a

Rinse out mouth and then drink plenty of water.

Call for a doctor immediately.

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

· 4.2 Most important symptoms and effects, both acute and

delayed

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special

treatment needed No further relevant information available.

### **SECTION 5: Firefighting measures**

· 5.1 Extinguishing media

CO2, powder or water spray. Fight larger fires with water spray or alcohol Suitable extinguishing agents:

resistant foam.

· For safety reasons unsuitable

extinguishing agents:

Water with full jet

5.2 Special hazards arising from

the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide (CO)

5.3 Advice for firefighters

Wear self-contained respiratory protective device. Protective equipment:

Do not inhale explosion gases or combustion gases.

· Additional information Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage

system.

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 Keep away from ignition sources.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Do not allow product to reach sewage system or any water course. · 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for

Send for recovery or disposal in suitable receptacles. containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal

binders, sawdust). Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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### **SECTION 7: Handling and storage**

· 7.1 Precautions for safe

handling Keep receptacles tightly sealed.

Store in cool, dry place in tightly closed receptacles.

Open and handle receptacle with care.

Prevent formation of aerosols.

Keep away from heat and direct sunlight. Do not refill residue into storage receptacles.

Wear suitable respiratory protective device when decanting larger quantities

without extractor facilities.

Ensure good ventilation/exhaustion at the workplace.

Restrict the quantity stored at the work place.

· Information about fire - and

explosion protection: Protect from heat.

Protect against electrostatic charges.

Prevent impact and friction.

Use explosion-proof apparatus / fittings and spark-proof tools. Fumes can combine with air to form an explosive mixture.

Wear shoes with conductive soles.

Keep ignition sources away - Do not smoke.

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

· Storage:

· Requirements to be met by

storerooms and receptacles: Store only in the original receptacle.

Store in a cool location.

Prevent any seepage into the ground.

· Information about storage in one

common storage facility:

Store away from reducing agents.

Do not store together with reducing agents, heavy-metal compounds, acids and

alkalis.

· Further information about storage

conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Protect from contamination.

 Storage class: 52

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

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

### · 8.1 Control parameters

· Additional information about design

of technical facilities: No further data; see item 7.

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

### 1338-23-4 2-Butanone, peroxide

WEL Short-term value: 1.5 mg/m³, 0.2 ppm

### 111-46-6 2,2'-oxybisethanol

WEL Long-term value: 101 mg/m<sup>3</sup>, 23 ppm

### 78-93-3 butanone

WEL Short-term value: 899 mg/m³, 300 ppm

Long-term value: 600 mg/m³, 200 ppm

Sk, BMGV

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			(Contd. of pa
DNELs			
	2-Butanone, peroxide		
	DNEL (Langzeit-wiederholt)	0.27 mg/kg bw/day (BEV)	
Dermal	DNEL ( Langzeit-wiederholt)	, , , , , , , , , , , , , , , , , , ,	
		0.54 mg/kg bw/day (BEV)	
innaiative	DNEL (Langzeit-wiederholt)	5.288 mg/m³ Air (ARB)	
111_46_6.2	2'-ovyhisothanol	0.41 mg/m³ Air (BEV)	
111-46-6 2,2'-oxybisethanol  Dermal DNEL ( Langzeit-wiederholt)		106 mg/kg bw/day (ARB)	
Dominal	BIVEE ( Earlyzon Wodornon)	53 mg/kg bw/day (BEV)	
Inhalative	DNEL (Langzeit-wiederholt)	60 mg/m³ Air (ARB)	
	,	12 mg/m³ Air (BEV)	
78-93-3 bu	tanone		
Oral	DNEL (Langzeit-wiederholt)	31 mg/kg bw/day (BEV)	
Dermal	DNEL ( Langzeit-wiederholt)	1,161 mg/kg bw/day (ARB)	
		412 mg/kg bw/day (BEV)	
Inhalative	DNEL (Langzeit-wiederholt)	600 mg/m³ Air (ARB)	
		106 mg/m³ Air (BEV)	
<u>PNECs</u>			
	2-Butanone, peroxide		
PNEC (was	ssrig) 1.2 mg/l (KA)		
	0.001 mg/l (MW)		
	0.0056 mg/l (SW) 0.056 mg/l (WAS)		
PNEC (fest	• , ,	new (RO)	
11120 (103		0.009 mg/kg Trockengew (MWS)	
	0.088 mg/kg Trockeng		
111-46-6 2	2'-oxybisethanol	,	
	ssrig) 199.5 mg/l (KA)		
	1 mg/l (MW)		
	10 mg/l (SW)		
	10 mg/l (WAS)		
PNEC (fest	,   0 0		
	2.09 mg/kg Trockenge	•	
78-93-3 bu	20.9 mg/kg Trockenge	ew (SWS)	
	ssrig) 709 mg/l (KA)		
I IVEO (Was	55.8 mg/l (MW)		
	55.8 mg/l (SW)		
	55.8 mg/l (WAS)		
PNEC (fest	• , ,	ew (BO)	
`	284.7 mg/kg Trockeng		
	284.74 mg/kg Trocker	ngew (SWS)	
	•		(Contd. on pag



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Ingredients with biological limit values:

### 78-93-3 butanone

BMGV 70 µmol/L

Medium: urine

Sampling time: post shift Parameter: butan-2-one

· Additional information:

The lists valid during the making were used as basis.

### · 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic

measures:

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 and skin.

· 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

· Protection of hands:

Preventive skin protection by use of skin-protecting agents is recommended.

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

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory anylyses of the company KCL

GmbH in compliance with EN374.

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 product/ the substance/ the preparation.

times, rates of diffusion and the degradation

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

· Material of gloves Butyl rubber, BR

Nitrile rubber, NBR Chloroprene rubber, CR

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 exact break trough time has to be found out by the manufacturer of the

protective gloves and has to be observed.

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· For the permanent contact gloves made of the following materials are

suitable:

Butyl rubber, BR

Butoject (KCL, Art\_No. 897, 898)

Nitrile rubber, NBR

Dermatril (Art\_No. 740, 741, 742)

Camatril (KCL, Art\_No. 730, 731, 732, 733)

Chloroprene rubber, CR

Camapren (KCL, Art\_No. 720, 722, 726)

· As protection from splashes gloves made of the following materials are

suitable:

Nitrile rubber, NBR

Dermatril (KCL, Art\_No. 740, 741, 742) Camatril (KCL, 730, 731, 732, 733)

Chloroprene rubber, CR

Camapren (KCL, Art\_No. 720, 722, 726)

· Not suitable are gloves made of

the following materials:

Natural rubber, NR Leather gloves

Strong material gloves

· Eye protection:

Tightly sealed goggles

Body protection: Protective work clothing

Use protective suit.

### **SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid Colourless

Odour: weak

· pH-value: Not applicable

· Change in condition

Melting point/freezing point: Undetermined.

Initial boiling point and boiling range: >80 °C

· <u>Flash point:</u> Not applicable.

· <u>Ignition temperature:</u> 555 °C

· <u>Decomposition temperature:</u> > +60 °C (SADT)

· <u>Auto-ignition temperature:</u> Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Vapour pressure at 20 °C: 1.9 hPa

· Density at 20 °C: 1.18 g/cm<sup>3</sup>

· Solubility in / Miscibility with

water: Not miscible or difficult to mix.

· Viscosity:

Dynamic at 20 °C:
Kinematic:

14 mPas
Not determined.

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· Solvent content:
Organic solvents: 6.5 %

• **9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity** 

• 10.1 Reactivity Stable under recommended transport or storage conditions

· 10.2 Chemical stability · Thermal decomposition /

conditions to be avoided: Rapid decomposition by heating (e. g. direct sunlight or

heater).

· 10.3 Possibility of hazardous

<u>reactions</u> Self accelerating decomposition above > + 60 °C.

Reacts with reducing agents. Reacts with heavy metals. Reacts with amines.

Reacts with acids, alkalis and oxidising agents.

10.4 Conditions to avoid Heat, flames and other sources of ignition

• 10.5 Incompatible materials: Rapid decomposition by dirt, rust, chemicals in particular

concentrated acids, alkalis and accelerators (e. g. heavy-metal

compounds and amines).

· 10.6 Hazardous decomposition

**products:** Hydrocarbons, carbondioxide and -monoxid.

Formic acid, acetic acid, propionic acid. Methyl ethyl ketone

### **SECTION 11: Toxicological information**

11.1 Information on toxicological effects

· Acute toxicity Harmful if inhaled.

<ul> <li>LD/LC50 value</li> </ul>	ues relevant fo	or classification:
-----------------------------------	-----------------	--------------------

### **ATE (Acute Toxicity Estimates)**

Oral LD50 2,184-2,903 mg/kg (rat) Inhalative LC50/4 h 4.55 mg/l (rat)

### 1338-23-4 2-Butanone, peroxide

 Oral
 LD50
 1,017 mg/kg (rat)

 Dermal
 LD50
 4,000 mg/kg (rat)

 Inhalative
 LC50/4 h
 1.5 mg/l (rat)

### 111-46-6 2,2'-oxybisethanol

 Oral
 LD50
 300-2,000 mg/kg (rat)

 Dermal
 LD50
 11,890 mg/kg (rbt)

### 78-93-3 butanone

 Oral
 LD50
 >2,193 mg/kg (rat) (OECD 423)

 Dermal
 LD50
 >8,000 mg/kg (cuniculosus)

 >5,000 mg/kg (rbt) (OECD 402)

 Inhalative
 LC50/4 h
 34 mg/l (rat)

 LC50/8h
 23.5 mg/l (rat)

· Primary irritant effect:

· Skin corrosion/irritation Causes severe skin burns and eye damage.

· Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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· Germ cell mutagenicity

Additional toxicological information:
 CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

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

Carcinogenicity
 Reproductive toxicity
 STOT-single exposure
 STOT-repeated exposure
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

### **SECTION 12: Ecological information**

### · 12.1 Toxicity

<u>12.1 TOXICILY</u>				
· <u>Aquatic toxicity:</u>				
1338-23-4 2-Butanone, peroxide				
48 mg/l (BES)				
39 mg/l (daphnia magna)				
5.6 mg/l (Pseudokirchneriella subcapitata)				
12 mg/l (BES)				
44.2 mg/l (poecilia reticulata)				
111-46-6 2,2'-oxybisethanol				
8,590 mg/kg (literature)				
15,380 mg/kg (pimephales promelas)				
48,900 mg/l (daphnia magna)				
75,200 mg/l (pimephales promelas)				
78-93-3 butanone				
1,150 mg/l (pseudomonas putida)				
1,150 mg/l (pseudomonas putida) (DIN 38412)				
>4,300 mg/l (scenedesmus quadricauda)				
5,091 mg/l (daphnia magna) (OECD 202)				
1,972 mg/l (Pseudokirchneriella subcapitata) (OECD 201)				
6h 3,220 mg/l (lem)				

### 12.2 Persistence and

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

2,993 mg/l (pimephales promelas) (OECD 203)

· Additional ecological information:

· <u>General notes:</u> Do not allow product to reach ground water, water course or sewage system.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous

for water

### · 12.5 Results of PBT and vPvB assessment

 $\begin{array}{ccc} \cdot & \underline{\mathsf{PBT:}} & & \mathsf{Not applicable.} \\ \cdot & \underline{\mathsf{vPvB:}} & & \mathsf{Not applicable.} \end{array}$ 

• 12.6 Other adverse effects No further relevant information available.

### **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

· <u>Recommendation</u> Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to

reach sewage system.

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· Uncleaned packaging:

· Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after

thorough and proper cleaning.

### **SECTION 14: Transport information**

· 14.1 UN-Number	
· ADR. IMDG. IATA	UN3105

· 14.2 UN proper shipping name

3105 ORGANIC PEROXIDE TYPE D, LIQUID · ADR

(Methylethylketoneperoxide)

· IMDG, IATA ORGANIC PEROXIDE TYPE D, LIQUID

(Methylethylketoneperoxide)

· 14.3 Transport hazard class(es)

· ADR

· Label



· Class 5.2 (P1) Organic peroxides.

· IMDG, IATA



· Class 5.2 Organic peroxides.

· Label

14.4 Packing group

· ADR, IMDG, IATA Void

· 14.5 Environmental hazards:

· Marine pollutant:

14.6 Special precautions for user Warning: Organic peroxides.

· Hazard identification number (Kemler code):

· EMS Number: F-J,S-R Stowage Category

· Stowage Code SW1 Protected from sources of heat. SG35 Stow "separated from" SGG1-acids · Segregation Code

SG36 Stow "separated from" SGG18-alkalis.

SG72 See 7.2.6.3.2.

· 14.7 Transport in bulk according to Annex II of Marpol

and the IBC Code Not applicable.

· Transport/Additional information:

· Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

·IMDG

· Limited quantities (LQ) 125 ml

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• Excepted quantities (EQ)

• Ode: E0

Not permitted as Excepted Quantity

• UN "Model Regulation":

UN 3105 ORGANIC PEROXIDE TYPE D, LIQUID (METHYLETHYLKETONEPEROXIDE), 5.2

### **SECTION 15: Regulatory information**

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

None of the ingredients is listed.

· Directive 2012/18/EU

· Named dangerous substances -

ANNEX I

Seveso category P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC

PEROXIDES

· Qualifying quantity (tonnes) for the

application of lower-tier

requirements 50 t

· Qualifying quantity (tonnes) for the

application of upper-tier

requirements 200 t

· National regulations:

· Information about limitation of use: Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be

observed.

76.6 g/l

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

VOC EU

15.2 Chemical safety

**assessment:** A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

· Recommended restriction of use

· Contact:

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.

H242 Heating may cause a fire. H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness. refer to Technical Data Sheet (TDS)

· Department issuing SDS: Laboratory

Elke Haké

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)

ICAO: International Civil Aviation Organisation

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)
DNEL: Derived No-Effect Level (REACH)

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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. Liq. 2: Flammable liquids – Category 2 Org. Perox. D: Organic peroxides – Type C/D Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

• \* Data compared to the previous version altered.

Adaptation in accordance with REACH directive 1907/2006/EC

CR.