

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2019

Version number 5

Revision: 25.04.2019

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

1.1 Product identifier

Trade name: **PU Multi-Purpose Sealing Compound**

Article number: 90605, 90606

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

Polyurethane-sealant

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH
Lechstrasse 28
D 90451 Nürnberg

Tel. +49(0)911-642960
Fax. +49(0)911-644456
e-mail info@akemi.de

Further information obtainable from:

Laboratory

1.4 Emergency telephone number:

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

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Response: IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF ON SKIN: Wash with plenty of water.

Storage: Store locked up.
Store in a well-ventilated place. Keep container tightly closed.

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.



GHS08

Signal word

Danger

Hazard-determining components of labelling:

diphenylmethane-4,4'-di-isocyanate

Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer

Hazard statements H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

(Contd. on page 2)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2019

Version number 5

Revision: 25.04.2019

Trade name: PU Multi-Purpose Sealing Compound

(Contd. of page 1)

P103 Read label before use.
 P261 Avoid breathing vapours.
 P280 Wear protective gloves / eye protection.
 P284 In case of inadequate ventilation wear respiratory protection.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

· **Additional information:**

Contains isocyanates. May produce an allergic reaction.

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:**

Not applicable.

· **vPvB:**

Not applicable.

SECTION 3: Composition/information on ingredients

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

CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119555267-33 01-2119488216-32	xylene Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-5%
CAS: 90622-57-4 EC number: 918-167-1 Reg.nr.: 01-2119472146-39	Kohlenwasserstoffe, C11-C12, Isoalkane, <2% Aromaten Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 4, H413	1-5%
CAS: 101-68-8 EINECS: 202-966-0 Index number: 615-005-00-9 Reg.nr.: 01-2119457014-47	diphenylmethane-4,4'-di-isocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	<1%
CAS: 25686-28-6 Reg.nr.: 01-2119457013-49	Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	<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**· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

· **After eye contact:**

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

· **After swallowing:**

If symptoms persist consult doctor.

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

Headache
 Dizziness
 Dizziness
 Nausea
 Allergic reactions

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2019

Version number 5

Revision: 25.04.2019

Trade name: PU Multi-Purpose Sealing Compound

(Contd. of page 2)

· Information for doctor:

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.

Acute health risks in isocyanate exposition

- dermal effect: Isocyanate contact with skin cause in dependence of the exposition duration to severe skin irritation and occasionally to contact dermatitis.

- effect on eyes: Fumes in concentration above the tolerable working place limit value, aerosols and dust promotes lacrimation and eye burning. Isocyanate eye splashes may cause damages of cornea.

- respiratory effect: In exposition of isocyanate fumes and in dependence of their concentration severe nasal irritation and pharyngitis with subsequent damage of upper and lower respiratory tract may occur. Most frequently observed symptoms are xerosis of the throat, chest pressure often accompanied by headache, respiratory malfunction and breathlessness. Long-term inhaling of high isocyanate concentrations sometimes can result in a pulmonary edema.

Chronical health risks in isocyanate exposition:

Recurrent exceedings of permitted working place limit values can cause chronical respiratory diseases like bronchitis and worsening of respiratory function. In sensitive / disposed subjects sensibilization and hypersensitization may occur leading to asthmatic dysfunction (obstructive respiratory disease).

· **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**

· Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

· **5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Nitrogen oxides (NOx)

Hydrogen cyanide (HCN)

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

· **5.3 Advice for firefighters**

· Protective equipment:

Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

· **6.2 Environmental precautions:**

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:**

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

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

(Contd. on page 4)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2019

Version number 5

Revision: 25.04.2019

Trade name: PU Multi-Purpose Sealing Compound

See Section 13 for disposal information.

(Contd. of page 3)

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection:

Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Prevent any seepage into the ground.

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:Store receptacle in a well ventilated area.
Protect from frost.**7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: Exposure controls/personal protection**Additional information about design of technical facilities:**

No further data; see item 7.

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:****101-68-8 diphenylmethane-4,4'-di-isocyanate**

WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
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DNELs**1330-20-7 xylene**

Oral	DNEL (Langzeit-wiederholt)	1.6 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	180 mg/kg bw/day (ARB) 108 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	289 mg/m ³ Air (ARB) 174 mg/m ³ Air (BEV)
	DNEL (Langzeit-wiederholt)	77 mg/m ³ Air (ARB) 14.8 mg/m ³ Air (BEV)

101-68-8 diphenylmethane-4,4'-di-isocyanate

Oral	DNEL (Kurzzeit-akut)	20 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	28.7-50 mg/kg bw/day (ARB) 17.2-25 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	0.1 mg/m ³ Air (ARB) 0.05 mg/m ³ Air (BEV)
	DNEL (Langzeit-wiederholt)	0.05 mg/m ³ Air (ARB) 0.025 mg/m ³ Air (BEV)

PNECs**1330-20-7 xylene**

PNEC (wässrig)	6.58 mg/l (KA) 0.327 mg/l (MW)
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(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2019

Version number 5

Revision: 25.04.2019

Trade name: PU Multi-Purpose Sealing Compound

(Contd. of page 4)

PNEC (fest)	0.327 mg/l (SW) 0.327 mg/l (WAS) 2.31 mg/kg Trockengew (BO) 12.46 mg/kg Trockengew (MWS) 12.46 mg/kg Trockengew (SWS)
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101-68-8 diphenylmethane-4,4'-di-isocyanate

PNEC (wässrig)	>1 mg/l (KA) >0.1 mg/l (MW) >1 mg/l (SW)
PNEC (fest)	>1 mg/kg Trockengew (BO)

· Ingredients with biological limit values:**101-68-8 diphenylmethane-4,4'-di-isocyanate**

BMGV	1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine
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· 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.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.

· Respiratory protection:

Short term filter device:

Filter AX

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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 analyses 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.

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

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2019

Version number 5

Revision: 25.04.2019

Trade name: PU Multi-Purpose Sealing Compound

(Contd. of page 5)

- Material of gloves Fluorocarbon rubber (Viton)
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 through 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: Fluorocarbon rubber (Viton)
Vitoject (KCL, Art_No. 890)
- As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR
Camatril (KCL, 730, 731, 732, 733)
Butyl rubber, BR
Butoject (KCL, Art_No. 897, 898)
- Not suitable are gloves made of the following materials: Leather gloves
Strong material gloves
- Eye protection: Goggles recommended during refilling
- Body protection: Protective work clothing

* **SECTION 9: Physical and chemical properties**· **9.1 Information on basic physical and chemical properties**· General Information· Appearance:· Form:

Pasty

· Colour:

According to product specification

· Odour:

Characteristic

· pH-value:

Not applicable

· Change in condition· Melting point/freezing point:

Undetermined.

· Initial boiling point and boiling range:

Undetermined.

Not applicable

· Flash point:

216 °C

· Ignition temperature:

>200 °C

· Auto-ignition temperature:

Product is not selfigniting.

· Explosive properties:

Product does not present an explosion hazard.

· Explosion limits:· Lower:

0.4 Vol %

· Upper:

7.6 Vol %

· Vapour pressure at 20 °C:

<100 hPa

· Density at 20 °C:1.17 g/cm³· Solubility in / Miscibility with water:

Insoluble.

· Viscosity:· Dynamic:

Not determined.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2019

Version number 5

Revision: 25.04.2019

Trade name: PU Multi-Purpose Sealing Compound

(Contd. of page 6)

Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	5.9 %
Solids content:	93.2 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with alcohols, amines, aqueous acids and alkalis.
Reacts with water.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Hydrogen chloride (HCl)
Nitrogen oxides
Sulphur dioxide

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:

1330-20-7 xylene

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rbt)
Inhalative	LC50/4h	29,000 mg/m ³ (rat)
	LC50/4 h	21.7 mg/l (rat)
	LC50/48h	86 mg/l (Leuciscus idus)

101-68-8 diphenylmethane-4,4'-di-isocyanate

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit) (OECD 402)
Inhalative	LC50	2.24 mg/l (rat)
	LC50/4 h	1.5 mg/l (rat) (OECD 403)
	LC50/1h	>2.24 mg/l (rat)

25686-28-6 Benzene, 1,1'-methylenebis[4-isocyanato-, homopolymer

Inhalative	LC50/4 h	11 mg/l (ATE)
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- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2019

Version number 5

Revision: 25.04.2019

Trade name: PU Multi-Purpose Sealing Compound

(Contd. of page 7)

· Aspiration hazard

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

SECTION 12: Ecological information· **12.1 Toxicity**· Aquatic toxicity:**1330-20-7 xylene**

EC50/24h	>175 mg/l (bacteria)
	165 mg/l (daphnia magna)
EC50	10 mg/l (bacteria)
IC50	96 mg/l (BES)
	1 mg/l (daphnia magna)
LC50	2 mg/l (piscis)
LC50/24h	32 mg/l (Iepomis macrochirus)
IC50/72h	2.2 mg/l (green alge)
	3.3 mg/l (Pseudokirchneriella subcapitata)
EC50/48h	2.1-7.4 mg/l (daphnia magna)
EC50/72h	4.7 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	16.9 mg/l (carassius auratus)
	1.57 mg/l (Cyprinus carpio)
	3.77-13.5 mg/l (piscis)
	20.9 mg/l (Iepomis macrochirus)
	7.6 mg/l (Oncorhynchus mykiss)
	8.9-16 mg/l (pimephales promelas)

101-68-8 diphenylmethane-4,4'-di-isocyanate

EC50/24h	>1,000 mg/l (daphnia magna)
ErC50/72h	>1,640 mg/l (Scenedesmus subspicatus) (OECD 201)
LC50/96h	>1,000 mg/l (Danio rerio.) (OECD 203)

· **12.2 Persistence and degradability**

No further relevant information available.

· **12.3 Bioaccumulative potential**

No further relevant information available.

· **12.4 Mobility in soil**

No further relevant information available.

· Additional ecological information:· General notes:

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**· PBT:

Not applicable.

· vPvB:

Not applicable.

· **12.6 Other adverse effects**

No further relevant information available.

SECTION 13: Disposal considerations· **13.1 Waste treatment methods**· Recommendation

Must not be disposed together with household garbage. Do not allow product to 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 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2019

Version number 5

Revision: 25.04.2019

Trade name: PU Multi-Purpose Sealing Compound

(Contd. of page 8)

08 04 11*	adhesive and sealant sludges containing organic solvents or other hazardous substances
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 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
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 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances

· Uncleaned packaging:· Recommendation:

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

SECTION 14: Transport information

· 14.1 UN-Number	
· <u>ADR, ADN, IMDG, IATA</u>	Void
· 14.2 UN proper shipping name	
· <u>ADR, ADN, IMDG, IATA</u>	Void
· 14.3 Transport hazard class(es)	
· <u>ADR, ADN, IMDG, IATA</u>	
· <u>Class</u>	Void
· 14.4 Packing group	
· <u>ADR, IMDG, IATA</u>	Void
· 14.5 Environmental hazards:	
· <u>Marine pollutant:</u>	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· <u>Transport/Additional information:</u>	Not dangerous according to the above specifications.
· <u>UN "Model Regulation":</u>	Void

* **SECTION 15: Regulatory information**· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**· Directive 2012/18/EU· Named dangerous substances -ANNEX I

None of the ingredients is listed.

· REGULATION (EC) No 1907/2006ANNEX XVII

Conditions of restriction: 3, 56a

· National regulations:· Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

· Waterhazard class:

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

· VOC EU

69.3 g/l

(Contd. on page 10)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.04.2019

Version number 5

Revision: 25.04.2019

Trade name: PU Multi-Purpose Sealing Compound

(Contd. of page 9)

· **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

H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 May cause respiratory irritation.
 H351 Suspected of causing cancer.
 H373 May cause damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.
 H413 May cause long lasting harmful effects to aquatic life.
 refer to Technical Data Sheet (TDS)
 Only for professional use - no end consumer product

· Recommended restriction of use

· Department issuing SDS:

Laboratory

· Contact:

Dieter Zimmermann
 Elke Hake
 Fon ++49 (0)911 64296-59
 @mail E.Hake@akemi.de

· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organisation
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 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. 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
 Resp. Sens. 1: Respiratory sensitisation – Category 1
 Skin Sens. 1: Skin sensitisation – Category 1
 Carc. 2: Carcinogenicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4
 REACH directive 1907/2006/EC

· Sources

· * Data compared to the previous version altered.

Adaptation in accordance with REACH directive 1907/2006/EC