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

AKEMI®

Printing date 11.10.2018 Version number 4 Revision: 11.10.2018

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

· 1.1 Product identifier

· Trade name: Steel Epoxy Stick

· Article number: 87560

 1.2 Relevant identified uses of the substance or mixture and

uses advised against No further relevant information available.

SU3 Industrial uses: Uses of substances as such or in preparations at Sector of Use

industrial sites

Professional uses: Public domain (administration, education, SU22

entertainment, services, craftsmen)

Product category

PC1 Adhesives, sealants

Application of the substance / the

mixture

Epoxy resin adhesive Metal working auxiliary

· 1.3 Details of the supplier of the safety data sheet

AKEMI chemisch technische Spezialfabrik GmbH Tel. +49(0)911-642960 Manufacturer/Supplier:

Lechstrasse 28 Fax. +49(0)911-644456 D 90451 Nürnberg 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

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

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

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin Response:

with water [or shower].

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

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

· 2.2 Label elements

· Labelling according to Regulation

The product is classified and labelled according to the CLP regulation. (EC) No 1272/2008

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· Hazard pictograms

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· Signal word

Warning

· Hazard-determining components

of labelling:

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average

molecular weight = 700) H315 Causes skin irritation.

· Hazard statements

H319 Causes serious eve irritation. H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

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

at hand. Keep out of reach of children.

P102 Read label before use. P103

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

protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/

regional/national/international regulations.

· Additional information:

Contains epoxy constituents. 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: consisting of the following components.

EINECS: 215-279-6 substance with a Community workplace exposure limit CAS: 1332-58-7 Kaolin EC number: 310-127-6 substance with a Community workplace exposure limit CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700) Index number: 603-074-00-8 Reg.nr.: 01-2119456619-26-0000 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 CAS: 7439-89-6 iron EINECS: 231-096-4 CAS: 7440-50-8 copper EINECS: 231-159-6 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 CAS: 90-72-2 2,4,6-tris(dimethylaminomethyl)phenol Skin Corr. 1C, H314	· Dangerous components:		
EC number: 310-127-6 substance with a Community workplace exposure limit CAS: 25068-38-6 NLP: 500-033-5 Index number: 603-074-00-8 Reg.nr.: 01-2119456619-26-0000 CAS: 7439-89-6 EINECS: 231-096-4 CAS: 7440-50-8 EINECS: 231-159-6 CAS: 90-72-2 EINECS: 202-013-9 substance with a Community workplace exposure limit reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number 12. Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 cas: 7439-89-6 Flam. Sol. 2, H228 cas: 7440-50-8 EINECS: 231-159-6 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 CAS: 90-72-2 EINECS: 202-013-9 Skin Corr. 1C, H314			12.5-25%
NLP: 500-033-5		1 10 10 10 10 10 10 10 10 10 10 10 10 10	12.5-25%
EINECS: 231-096-4 CAS: 7440-50-8 EINECS: 231-159-6 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 CAS: 90-72-2 EINECS: 202-013-9 Flam. Sol. 2, H228 Copper 2, 4,6-tris(dimethylaminomethyl)phenol Skin Corr. 1C, H314	NLP: 500-033-5 Index number: 603-074-00-8	average molecular weight = 700) Aguatic Chronic 2. H411	12.5-25%
EINECS: 231-159-6 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 CAS: 90-72-2 EINECS: 202-013-9 Aquatic Acute 1, H400 Aquatic Acu			<10%
EINECS: 202-013-9		Aquatic Acute 1, H400	1-5%
Reg.nr.: 01-2119560597-27-xxxx	EINECS: 202-013-9 Index number: 603-069-00-0		1-5%

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· After inhalation:

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· 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: Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air. Position and transport stably in side position.

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

In case of unconsciousness place patient stably in side position for

transportation.

· After skin contact: If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

· After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist,

consult a doctor.

· After swallowing: Rinse out mouth and then drink plenty of water.

Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and

<u>delayed</u> Breathing difficulty

Coughing

Allergic reactions

· Information for doctor: Bisphenol-A based resins: Inhalation, swallowing or dermal incorporation may

cause health damage. Irritates respiratory tract, digestion system, eyes and skin: e.g., cough, dyspnea, lacrimation, burning. May cause health interferences such as dermal changes, renal, hepatic damage, and blood count changes. May provoke skin allergies. Sensitized users can react towards very low concentrations of Bisphenol-A-Epichlorhydrine and should avoid any further

contact with this chemical.

The sensitizing effect of epoxide based resins is mainly caused by the concentration of epoxy resin polymers with a specific molecular weight \leq 300. The observed allergic dermal and respiratory appearances should be treated symptomatically in dependence of the severity. An epoxy resin based allergic disease belongs to a cell mediated (interaction of lymphocytes) type IV allergy.

Hazards Danger of impaired breathing.

Skin contact with polyester and epoxy resin solutions as ingredient of the product should be avoided due to risks of skin irritations or allergic skin appearances. If occasional hand contact can not be avoided, protection gloves, proper protection ointments and protective agents generating a protective layer

on the skin were applied.

• 4.3 Indication of any immediate medical attention and special

treatment needed If swallowed, gastric irrigation with added, activated carbon.

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 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)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

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5.3 Advice for firefighters
Protective equipment:

Wear fully protective suit.

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

· Additional information 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 Ensure adequate ventilation

Use respiratory protective device against the effects of fumes/dust/aerosol.

Particular danger of slipping on leaked/spilled product.

• **6.2 Environmental precautions:** Do not allow to penetrate the ground/soil.

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).
Pick up mechanically.
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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe

handling Keep receptacles tightly sealed.

Store in cool, dry place in tightly closed receptacles.

Use only in well ventilated areas.

Ensure good ventilation/exhaustion at the workplace.

· Information about fire - and

explosion protection: No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by

storerooms and receptacles:

Store only in the original receptacle.

Prevent any seepage into the ground.

Information about storage in one

common storage facility: Store away from oxidising agents.

· Further information about storage

conditions: Store receptacle in a well ventilated area.

Protect from frost. Store in a cool place.

Keep container tightly sealed.

· Storage class:

 \cdot **7.3 Specific end use(s)** No further relevant information available.

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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:

1317-65-3 calcium carbonate, natural (GCC)

TWA Long-term value: 10 mg/m³

atembarer Staub

1332-58-7 Kaolin

WEL Long-term value: 2 mg/m³

7440-50-8 copper

WEL Short-term value: 2** mg/m3

Long-term value: 0.2* 1** mg/m3 *fume **dusts and mists (as Cu)

· DNELs

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight

Oral	DNEL (Kurzzeit-akut)	0.75 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	0.75 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	8.33 mg/kg bw/day (ARB)
		3.571 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	8.33 mg/kg bw/day (ARB)

3.571 mg/kg bw/day (BEV)

Inhalative DNEL (Kurzzeit-akut) 12.25 mg/m3 Air (ARB) DNEL (Langzeit-wiederholt) 12.25 mg/m³ Air (ARB)

· PNECs

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

PNEC (wässrig) 10 mg/l (KA)

0.0006 mg/l (MW) 0.006 mg/l (SW) 0.018 mg/I (WAS)

PNEC (fest)

0.196 mg/kg Trockengew (BO) 0.0996 mg/kg Trockengew (MWS)

0.996 mg/kg Trockengew (SWS)

· 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: Not necessary if room is well-ventilated.

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Short term filter device:

Filter A/P2

Protection of hands:

Preventive skin protection by use of skin-protecting agents is recommended. Skin protection agent recommendation for preventive skin shelter in application and combination of protective gloves:

STOKO EMULSION (http://www.stoko.com)

Skin protection recommendation for skin cleaning after product handling:

Kresto Classic (http://debstoko.com)

Skin protection agent recommendation for skin aftercare:

STOKO VITAN (http://www.stoko.com)

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.

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

· Material of gloves

Butyl rubber, BR

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

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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

Butoject (KCL, Art_No. 897, 898) Fluorocarbon rubber (Viton)

Vitoject (KCL, Art_No. 890) Butyl rubber, BR

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

Nitrile rubber, NBR

Dermatril (KCL, Art No. 740, 741, 742)

Chloroprene rubber, CR

Camapren (KCL, Art_No. 720, 722, 726) Butoject (KCL, Art_No. 897, 898)

Butyl rubber, BR

 Not suitable are gloves made of the following materials:

Leather gloves

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Strong material gloves

Nitrile rubber, NBR

Not applicable

· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on	basic physic	cal and chemical	properties

General Information

Appearance:

· pH-value:

Form: Pasty Colour: Grey

Odour: Specific type Odour threshold: Not determined.

Change in condition

Melting point/freezing point: Undetermined. Initial boiling point and boiling range: 2,597 °C

>200 °C Flash point:

· Flammability (solid, gas): Not applicable.

 Decomposition temperature: Not determined.

 Auto-ignition temperature: Product is not selfigniting.

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

· Explosion limits:

Not determined. Lower: Upper: Not determined.

Not determined. Vapour pressure:

- Density at 20 °C: 1.85 g/cm³ · Relative density Not determined. Not determined. Vapour density Not determined. Evaporation rate

· Solubility in / Miscibility with

Not miscible or difficult to mix. water:

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Not determined. Dynamic: Not determined. Kinematic: Solvent separation test: Not applicable

· Solvent content:

Solids content: 82.0 %

· 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

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· 10.2 Chemical stability

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Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous

reactions

Reacts with oxidising agents.

• 10.4 Conditions to avoid • 10.5 Incompatible materials: Heat, flames and other sources of ignition No further relevant information available.

· 10.6 Hazardous decomposition

products:

Irritant gases/vapours

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:

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

Oral	LD50	20,000 mg/kg (mouse)
		19,800 mg/kg (rabbit)
		11,400 mg/kg (rat)
	NOEL	540 mg/kg (rat) (OECD 416)
Dermal	LD50	20,000 mg/kg (rabbit)

Primary irritant effect:

Skin corrosion/irritation
 Serious eye damage/irritation
 Respiratory or skin sensitisation
 May cause an allergic skin reaction.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 Germ cell mutagenicity
 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.
 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

_	$\Delta \alpha I$	12tic	toxicity	٠.

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

EC50/24h 1.1-3.6 mg/l (daphnia magna)

EC50/96h 3.6 mg/l (Leuciscus idus)

220 mg/l (Scenedesmus subspicatus)

IC50 >100 mg/l (bacteria)

EC50/48h 2.7 mg/l (daphnia magna) (OECD 202) NOEC 0.3 mg/kg (daphnia magna) (OECD 211) EC50/72h 9.4 mg/l (selenastrum capricornutum)

LC50/96h | 1.3 mg/l (piscis)

1.5 mg/l (Oncorhynchus mykiss) (OECD 203)

1.5-7.7 mg/l (rainbow trout)

LC50/72h >11 mg/l (green alge)

12.2 Persistence and

degradability No further relevant information available.

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· 12.3 Bioaccumulative potential

· 12.4 Mobility in soil

No further relevant information available. No further relevant information available.

· Ecotoxical effects:

· Remark:

· Additional ecological information:

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

Harmful to aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for

Harmful to fish

· 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)	
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	
15 00 00	15 00 00 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	
15 01 00	packaging (including separately collected municipal packaging waste)	
15 01 10*	packaging containing residues of or contaminated by hazardous substances	

· Uncleaned packaging:

Empty contaminated packagings thoroughly. They may be recycled after · Recommendation:

thorough and proper cleaning.

SECTION 14: Transport information

· <u>14.1 UN-Number</u> · <u>ADR, ADN, IMDG, IATA</u>	Void	
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
· <u>ADR, ADN, IMDG, IATA</u> · <u>Class</u>	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
 14.5 Environmental hazards: Marine pollutant: 	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.	
 Transport/Additional information: 	Not dangerous according to the above specifications.	
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UN "Model Regulation":

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 1907/2006

ANNEX XVII Conditions of restriction: 3

National regulations:

· Information about limitation of use: Employment restrictions concerning pregnant and lactating women must be

observed.

 $0.0 \, g/l$

Employment restrictions concerning juveniles must be observed.

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· VOC EU

· 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
 H228 Flammable solid.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

· Recommended restriction of use refer to Technical Data Sheet (TDS)

- Department issuing SDS: Laboratory

· Contact: Dieter Zimmermann

· 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 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. Sol. 2: Flammable solids – Category 2 Skin Corr. 1C: Skin corrosion/irritation – Category 1C Skin Irrit. 2: Skin corrosion/irritation – Category 2 Skin Irrit. 2: Skin seve damage/eve irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation - Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

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(Contd. of page 10) Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * Data compared to the previous version altered.

Adaptation in accordance with REACH directive 1907/2006/EC