

according to UK REACH Regulation

Isocyanate reaction solution dibutylamine 1 mol/l - 1 M solution in 1,2-dichlorobenzene

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

1.1. Product identifier

Isocyanate reaction solution dibutylamine 1 mol/l - 1 M solution in 1,2-dichlorobenzene

UFI: U4VR-R1VR-300N-J6NH

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Laboratory chemicals

Industrial uses: Uses of substances as such or in preparations at industrial sites

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against

Do not use for private purposes (household).

1.3. Details of the supplier of the safety data sheet

Company name: AnalytiChem GmbH Street: Stempelstraße 6 Place: D-47167 Duisburg

Telephone: 0203/5194-0 Telefax: 0203/5194-290

E-mail: info@analytichem.de

Contact person: Abteilung Produktsicherheit Telephone: 0203/5194-107/117

E-mail: produktsicherheit@analytichem.de

Internet: www.analytichem.de
Responsible Department: Abteilung Produktsicherheit

1.4. Emergency telephone For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire,

<u>number:</u> Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada:

1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls

accepted)

Further Information

inapplicable, this product is a mixture REACH registration number see section 3

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Flam. Liq. 3; H226 Acute Tox. 2; H330 Skin Corr. 1A; H314 Eye Dam. 1; H318 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

chlorobenzene di-n-butylamine

Signal word: Danger

Pictograms:











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Hazard statements

H226 Flammable liquid and vapour.

H330 Fatal if inhaled.

H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/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.

P310 Immediately call a POISON CENTER/doctor.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP	Regulation)		
108-90-7	chlorobenzene			85 - < 90 %
	203-628-5	602-033-00-1	01-2119432722-45	
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Aquatic Chronic 2; H226 H332 H315 H411			
111-92-2	di-n-butylamine			10 - < 15 %
	203-921-8	612-049-00-0	01-2119475606-30	
	Flam. Liq. 3, Acute Tox. 2, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1A; H226 H330 H311 H302 H314			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

opecine oc	specific conc. Ellints, in-factors and ATE					
CAS No	EC No	EC No Chemical name				
	Specific Conc.	Limits, M-factors and ATE				
108-90-7	203-628-5	chlorobenzene	85 - < 90 %			
	inhalation: ATE 2000 mg/kg	E = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = >				
111-92-2	203-921-8	di-n-butylamine	10 - < 15 %			
	inhalation: LC50 = 218 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = 768 mg/kg; oral: LD50 = 550 mg/kg					

Further Information

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Self-protection of the first aider



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After inhalation

Provide fresh air.

If breathing is irregular or stopped, administer artificial respiration.

Call a physician immediately.

After contact with skin

Wash immediately with: Water

Take off immediately all contaminated clothing and wash it before reuse.

Call a physician immediately.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye.

After ingestion

Observe risk of aspiration if vomiting occurs.

Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

corrosive

Irritant

Abdominal pain

Headache

Anaesthetic state

Agitation

Spasms

Gastrointestinal complaints

Vomiting

Has degreasing effect on the skin.

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

no restriction

5.2. Special hazards arising from the substance or mixture

Combustible liquids

Hazardous combustion products

In case of fire may be liberated:

Carbon dioxide (CO2) Carbon monoxide

Hydrogen chloride (HCI) Phosgene

Nitrogen oxides (NOx)

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Heating causes rise in pressure with risk of bursting.

Beware of reignition.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

In case of fire and/or explosion do not breathe fumes.

Avoid contact with skin, eyes and clothes.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.



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Move undamaged containers from immediate hazard area if it can be done safely. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Keep away from sources of ignition - No smoking.

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

Take action to prevent static discharges.

For non-emergency personnel

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

Consult an expert

Do not breathe dust/fume/gas/mist/vapours/spray.

For emergency responders

Precautionary statements For emergency responders: Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Danger of explosion

6.3. Methods and material for containment and cleaning up

For containment

Cover drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Collect in closed and suitable containers for disposal.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

Other information

Provide adequate ventilation.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Read label before use. Handle and open container with care.

When using do not eat, drink, smoke, sniff. Keep container tightly closed.

Use personal protection equipment. Use extractor hood (laboratory).

Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.



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Advice on protection against fire and explosion

Take action to prevent static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on general occupational hygiene

Keep away from food, drink and animal feedingstuffs.

Further information on handling

Take off immediately all contaminated clothing and wash it before reuse.

Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place.

 $\label{thm:continuous} \mbox{Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.}$

storage temperature < +30°C

Hints on joint storage

national regulations

Further information on storage conditions

Keep cool. Protect from sunlight.

Keep container dry.

Store in a place accessible by authorized persons only.

7.3. Specific end use(s)

Laboratory chemicals

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
108-90-7	Chlorobenzene	1	4.7		TWA (8 h)	WEL
		3	14		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
108-90-7	Chlorobenzene	4-chlorocatechol (creatinine)	5 mmol/mol	urine	Post shift



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DNEL/DMEL values

CAS No	Substance			
DNEL type	DNEL type		Effect	Value
108-90-7	chlorobenzene			
Worker DNEL,	long-term	inhalation	systemic	23 mg/m³
Worker DNEL,	acute	inhalation	systemic	70 mg/m³
Worker DNEL,	long-term	inhalation	local	42,3 mg/m³
Worker DNEL,	acute	inhalation	local	94 mg/m³
Worker DNEL,	long-term	dermal	systemic	12 mg/kg bw/day
Worker DNEL,	acute	dermal	systemic	15 mg/kg bw/day
Consumer DNE	EL, long-term	inhalation	systemic	1 mg/m³
Consumer DNE	EL, acute	inhalation	systemic	1 mg/m³
Consumer DNE	EL, long-term	dermal	systemic	3 mg/kg bw/day
Consumer DNE	EL, acute	dermal	systemic	3 mg/kg bw/day
Consumer DNE	EL, long-term	oral	systemic	3 mg/kg bw/day
Consumer DNE	EL, acute	oral	systemic	3 mg/kg bw/day
111-92-2 di-n-butylamine				
Worker DNEL, long-term		inhalation	systemic	29 mg/m³
Worker DNEL, acute		inhalation	systemic	29 mg/m³
Worker DNEL, long-term		inhalation	local	29 mg/m³
Worker DNEL,	acute	inhalation	local	29 mg/m³

PNEC values

CAS No	Substance	
Environment	al compartment	Value
108-90-7	chlorobenzene	
Freshwater		0,032 mg/l
Freshwater (intermittent releases)	0,066 mg/l
Marine wate		0,003 mg/l
Freshwater s	ediment	0,922 mg/kg
Marine sedir	nent	0,092 mg/kg
Secondary p	oisoning	10 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,4 mg/l
Soil		0,166 mg/kg
111-92-2	di-n-butylamine	
Freshwater		0,084 mg/l
Freshwater (intermittent releases)	0,084 mg/l
Marine water		0,008 mg/l
Freshwater sediment		11,4 mg/kg
Marine sediment		1,14 mg/kg
Micro-organi	sms in sewage treatment plants (STP)	149,5 mg/l
Soil		2,23 mg/kg

8.2. Exposure controls



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Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Individual protection measures, such as personal protective equipment

Eye/face protection

goggles

Face protection umbrella

Hand protection

Suitable examples are gloves of KCL GmbH, D-36124 Eichenzell, e-mail: vertrieb@kcl.de with the following specification (test according to EN 374):

By long-term hand contact

Trade name/designation KCL 890 Vitoject®
Suitable material: FKM (fluoro rubber) 0,7 mm
Wearing time with permanent contact: > 480 min

By short-term hand contact

Trade name/designation KCL 890 Vitoject® Suitable material: FKM (fluoro rubber) 0,7 mm

Wearing time with occasional contact (splashes): > 480 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Skin protection

Take off immediately all contaminated clothing and wash it before reuse.

Wear fire resistant or flame retardant clothing.

Wash hands and face before breaks and after work and take a shower if necessary.

Draw up and observe skin protection programme.

Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Environmental exposure controls

Do not allow to enter into surface water or drains.

Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.

Danger of explosion

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:

Colour:

Colour:

Odour:

Odour threshold:

Liquid

colourless

like: Benzene

No data available

Melting point/freezing point:

No data available

Boiling point or initial boiling point and

~132 °C

boiling range:

Flammability:

Lower explosion limits:

Upper explosion limits:

No data available



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Auto-ignition temperature:

Decomposition temperature:

PH-Value:

No data available

6,5

Viscosity / kinematic:

No data available

Water solubility:

No data available

Solubility in other solvents

No data available

Dissolution rate: No data available Partition coefficient n-octanol/water: No data available Dispersion stability: No data available Vapour pressure: No data available Vapour pressure: No data available 1,2129 g/cm³ Density: No data available Relative density: Bulk density: No data available Relative vapour density: No data available Particle characteristics: No data available

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Sustaining combustion: No data available

Self-ignition temperature

Solid: No data available
Gas: No data available

Oxidizing properties

No data available

Other safety characteristics

No data available Evaporation rate: Solvent separation test: No data available Solvent content: No data available Solid content: No data available Sublimation point: No data available Softening point: No data available Pour point: No data available No data available Viscosity / dynamic: No data available Flow time: No data available

Further Information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

In case of warming: Vapours may form explosive mixtures with air.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Oxidising agent

Alkali metals

Alkaline earth metal

Dimethylsulfoxide (DMSO)



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Nitric acid

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Rubber articles

Plastic articles

10.6. Hazardous decomposition products

SECTION 5: Firefighting measures

Further information

No data available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicocinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Acute toxicity

Fatal if inhaled.

Resorption (by inhalation)

Resorption (dermal)

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 3,060 mg/l; ATE (inhalation dust/mist) 0,3270 mg/l

CAS No	Chemical name					
	Exposure route	Dose		Species	Source	Method
108-90-7	chlorobenzene					
	oral	LD50 mg/kg	> 2000	Rat	Journal of toxicology and environmental	OECD Guideline 401
	inhalation vapour	ATE	11 mg/l			
	inhalation dust/mist	ATE	1,5 mg/l			
111-92-2	di-n-butylamine					
	oral	LD50 mg/kg	550	Rat	Publication (1954)	Evaluation of acute oral toxicity after
	dermal	LD50 mg/kg	768	Rabbit	Publication (1954)	according to Draize et al.
	inhalation (4 h) vapour	LC50	218 mg/l	Rat	Study report (1987)	OECD Guideline 403
	inhalation dust/mist	ATE	0,05 mg/l			

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.



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Aspiration hazard

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

Information on likely routes of exposure

There are no data available on the preparation/mixture itself.

Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

Additional information on tests

There are no data available on the preparation/mixture itself.

Practical experience

There are no data available on the preparation/mixture itself.

11.2. Information on other hazards

Endocrine disrupting properties

There are no data available on the preparation/mixture itself.

Other information

Causes damage to organs.

Organs affected:

liver

kidneys

Further information

corrosive

Irritant

Abdominal pain

Headache

Anaesthetic state

Agitation

Spasms

Gastrointestinal complaints

Vomiting

Has degreasing effect on the skin.

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.



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CAS No	Chemical name								
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method		
108-90-7	chlorobenzene								
	Acute fish toxicity	LC50	4,5 mg/l	96 h	Lepomis macrochirus	ASTM Spec. Tech. Publ., 891 (Aquat.Toxic	other: EPA-660//3-75-00 9		
	Acute algae toxicity	ErC50 mg/l	12,5	96 h	Pseudokirchneriella subcapitata	Chemosphere 10, 1123-1126 (1981)	Modified Algal Assay Procedure Bottle te		
	Acute crustacea toxicity	EC50 mg/l	0,59	48 h	Daphnia magna	Environ. Toxicol.Chem. 4, 297-305 (1985)	other: Test procedure described in the p		
	Fish toxicity	NOEC	4,8 mg/l	28 d	Danio rerio	Aquatic Toxicology, 16, 321-334 (1990)	OECD Guideline 210		
	Crustacea toxicity	NOEC mg/l	0,32	16 d	Daphnia magna	Aquatic toxicology 6, 209-217 (1985)	other: NEN report 6501, 6502		
	Acute bacteria toxicity	(EC50 mg/l)	140	0,5 h	Activated sludge	J. Water Pollut. Control Fed. 60, 1850-1	OECD Guideline 209		
111-92-2	di-n-butylamine								
	Acute fish toxicity	LC50	5,5 mg/l	96 h	Oncorhynchus mykiss	Chemosphere 9, 753-762 (1980)	other: IRSA, Quaderni dell'Instituto di		
	Acute algae toxicity	ErC50 mg/l	16,91	72 h	Desmodesmus subspicatus	Study report (1988)	other: DIN 38412, part 9		
	Acute crustacea toxicity	EC50	8,4 mg/l	48 h	Ceriodaphnia dubia	Study report (1994)	other: Standard guide for conducting acu		
	Crustacea toxicity	NOEC	4,2 mg/l	21 d	Daphnia magna	Publication (1999)	OECD Guideline 211		

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
108-90-7	chlorobenzene	ca. 2,855
111-92-2	di-n-butylamine	2,1

BCF

CAS No	Chemical name	BCF	Species	Source
108-90-7	chlorobenzene	3,9 - 23	Cyprinus carpio	Japan. Chemicals Ins
111-92-2	di-n-butylamine	21	fish	United States Enviro

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.



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12.7. Other adverse effects

Do not allow to enter into surface water or drains.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Send to a physico-chemical treatment facility under observation of official regulations.

Do not empty into drains.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 2924

14.2. UN proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (chlorobenzene,

di-n-butylamine)

14.3. Transport hazard class(es): 14.4. Packing group: Ш Hazard label: 3+8 Classification code: FC Special Provisions: 274 Limited quantity: 5 I Excepted quantity: F1 Transport category: 3 Hazard No: 38

Inland waterways transport (ADN)

Tunnel restriction code:

14.1. UN number or ID number: UN 2924

14.2. UN proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (chlorobenzene,

di-n-butylamine)

D/E

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3+8Classification code:FCSpecial Provisions:274Limited quantity:5 LExcepted quantity:E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 2924

14.2. UN proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (chlorobenzene,

di-n-butylamine)

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3+8Special Provisions:223, 274Limited quantity:5 L



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Excepted quantity: E1 EmS: F-E, S-C

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 2924

14.2. UN proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S. (chlorobenzene,

di-n-butylamine)

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3+8Special Provisions:A3 A803Limited quantity Passenger:1 LPassenger LQ:Y342Excepted quantity:E1

IATA-packing instructions - Passenger:354IATA-max. quantity - Passenger:5 LIATA-packing instructions - Cargo:365IATA-max. quantity - Cargo:60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes

Danger releasing substance: chlorobenzene

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

Information according to 2012/18/EU

(SEVESO III):

P5c. E2

National regulatory information

Additional information:

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or

nursing mothers.

H2 ACUTE TOXIC

Water hazard class (D): 2 - obviously hazardous to water

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 3,9,12.

Abbreviations and acronyms

Flam. Liq: Flammable liquids Acute Tox: Acute toxicity Skin Corr: Skin corrosion Skin Irrit: Skin irritation Eye Dam: Eye damage

Aquatic Chronic: Chronic aquatic hazard



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Classification for mixtures and used evaluation method according to GB CLP Regulation

	<u> </u>
Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Acute Tox. 2; H330	Calculation method
Skin Corr. 1A; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)