

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Isocyanate reaction solution

Revision: 20.03.2025

Product code: AC15.00706

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

### 1.1. Product identifier

Isocyanate reaction solution

UFI: 1Q9F-V0UM-700K-DD1M

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

#### Use of the substance/mixture

Reagents and laboratory chemicals

Only for laboratory and analysis purposes.

#### Uses advised against

Do not use for private purposes (household).

### 1.3. Details of the supplier of the safety data sheet

#### Details of the supplier of the safety data sheet

Company name: AnalytiChem Services, Unipessoal, Lda  
Street: Rua de Júlio Dinis 676 7º  
Place: P-4050-320 Porto  
Telephone: +351 226002917  
E-mail: info@analytichem.com  
Contact person: SDS service department  
E-mail: SDS@analytichem.com  
Internet: www.analytichem.com  
Responsible Department: SDS service department

#### Supplier or manufacturer details

Company name: AnalytiChem GmbH  
Street: Stempelstraße 6  
Place: D-47167 Duisburg  
Telephone: 0203/5194-0  
E-mail: info@analytichem.de  
Contact person: SDS service department  
E-mail: SDS@analytichem.com  
Internet: www.analytichem.de  
Responsible Department: AnalytiChem  
EU-Belgium: AnalytiChem Belgium, Industriezone "De Arend" 2, 8210 Zedelgem, Belgium, +32 50 28 83 20  
EU-Germany: AnalytiChem Germany, Stempelstrasse 6, 47167 Duisburg, Germany, +49 203 51 94 – 200  
EU-Netherlands: AnalytiChem Netherlands, Communicatieweg 7, 3641 SG Mijdrecht, The Netherlands, +31 297 286848  
UK: AnalytiChem UK, Unit 7 Launton Business Center, Murdock Road, Bicester, OX26 4XB, England, +44 1869 355 500  
USA: AnalytiChem USA, 227 China Road, Winslow, Maine, 04901, United States, +1 800-244-8378  
Canada: AnalytiChem Canada, 21800 Clark Graham Avenue, Baie d'Urfe, H9X 4B6, Canada, +1 514-457-0701  
Australia: ORE Research & Exploration Pty Ltd, 37A Hosie Street, Bayswater North, 3153, Australia, +61 3 9729 0333  
+353 1 901 4670 (CHEMTREC)

### 1.4. Emergency telephone number:

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#### Further Information

This product is a mixture. REACH Registration Number see section 3.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Flam. Liq. 3; H226  
Acute Tox. 2; H330  
Acute Tox. 4; H302  
Skin Corr. 1A; H314  
Eye Dam. 1; H318  
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

##### Hazard components for labelling

chlorobenzene  
di-n-butylamine

Signal word: Danger

Pictograms:



##### Hazard statements

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H330 Fatal if inhaled.  
H411 Toxic to aquatic life with long lasting effects.

##### Precautionary statements

P260 Do not breathe mist/vapours/spray.  
P280 Wear protective gloves and eye protection/face 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.

##### Special labelling of certain mixtures

EUH071 Corrosive to the respiratory tract.

### 2.3. Other hazards

No data available

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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## Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
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. 3, Skin Corr. 1A, Eye Dam. 1; H226 H330 H311 H301 H314 H318 EUH071			

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

## Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
108-90-7	203-628-5	chlorobenzene	85 - < 90 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = > 2000 mg/kg		
111-92-2	203-921-8	di-n-butylamine	10 - < 15 %
	inhalation: ATE 1,2 mg/l (vapours); dermal: ATE 300 mg/kg; oral: ATE 220 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

## 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

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Headache  
Anaesthetic state  
Agitation  
Spasms  
Gastrointestinal complaints  
Vomiting  
Has degreasing effect on the skin.  
Dermatitis

#### **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 (CO<sub>2</sub>) Carbon monoxide

Hydrogen chloride (HCl) Phosgene

Nitrogen oxides (NO<sub>x</sub>)

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.

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

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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.

##### 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.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

##### 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.

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

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storage temperature &lt; +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****Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
108-90-7	Chlorobenzene (as monochlorobenzene)	5 15	23 70		TWA (8 h) STEL (15 min)	

**Biological limit values**

CAS No	Substance	Parameter	Value	Test material	Sampling time
108-90-7	Chlorobenzene	4-Chlorocatechol	100 mg/g	Creatinine	End of shift at end of workweek

**DNEL/DMEL values**

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

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## PNEC values

CAS No	Substance	
		Value
108-90-7	chlorobenzene	
Freshwater		0,032 mg/l
Freshwater (intermittent releases)		0,066 mg/l
Marine water		0,003 mg/l
Freshwater sediment		0,922 mg/kg
Marine sediment		0,092 mg/kg
Secondary poisoning		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-organisms in sewage treatment plants (STP)		149,5 mg/l
Soil		2,23 mg/kg

**8.2. Exposure controls****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**

Protective gloves are recommended Company KCL GmbH, D-36124 Eichenzell, email: vertrieb@kcl.de With specification (test according to EN374):

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.

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KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://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.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

#### Thermal hazards

No data available

#### 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:	Liquid
Colour:	colourless
Odour:	like: Benzene
Odour threshold:	No data available
Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	~132 °C
Flammability:	No data available
Lower explosion limits:	No data available
Upper explosion limits:	No data available
Flash point:	~28 °C
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH-Value:	No data available
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
Density:	1,057 g/cm <sup>3</sup>
Relative density:	No data available
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

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#### Explosive properties

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

#### Sustained combustibility:

No data available

#### Self-ignition temperature

Solid:

No data available

Gas:

No data available

#### Oxidizing properties

No data available

#### Other safety characteristics

##### Evaporation rate:

No data available

##### 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

##### 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)

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 Regulation (EC) No 1272/2008

#### Toxicokinetics, metabolism and distribution

There are no data available on the mixture itself.

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**Acute toxicity**

Fatal if inhaled.  
 Harmful if swallowed.  
 Resorption (by inhalation)  
 Resorption (dermal)

**ATEmix calculated**

ATE (oral) 1780 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 5,470 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	ATE 220 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 1,2 mg/l			

**Irritation and corrosivity**

Skin corrosion/irritation: Causes severe skin burns and eye damage.  
 Serious eye damage/eye irritation: Causes serious eye damage.  
 Corrosive to the respiratory tract.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects 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.

**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 mixture itself.

**Specific effects in experiment on an animal**

There are no data available on the mixture itself.

**Additional information on tests**

There are no data available on the mixture itself.

**Practical experience**

There are no data available on the mixture itself.

**11.2. Information on other hazards****Endocrine disrupting properties**

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

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#### 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.

Dermatitis

## 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//3-75-009
	Acute algae toxicity	ErC50 12,5 mg/l	96 h	Pseudokirchneriella subcapitata	Chemosphere 10, 1123-1126 (1981)	Modified Algal Assay Procedure Bottle te
	Acute crustacea toxicity	EC50 0,59 mg/l	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 0,32 mg/l	16 d	Daphnia magna	Aquatic toxicology 6, 209-217 (1985)	other: NEN report 6501, 6502
	Acute bacteria toxicity	EC50 140 mg/l ( )	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'Istituto di
	Acute algae toxicity	ErC50 16,91 mg/l	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 REACH, annex XIII.

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#### **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.

#### **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):**

3

#### **14.4. Packing group:**

III

Hazard label:

3+8

Classification code:

FC

Special Provisions:

274

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

Hazard No:

38

Tunnel restriction code:

D/E

### **Inland waterways transport (ADN)**

#### **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):**

3

#### **14.4. Packing group:**

III

Hazard label:

3+8

Classification code:

FC

Special Provisions:

274

Limited quantity:

5 L

Excepted 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):**

3

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Revision: 20.03.2025

Product code: AC15.00706

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#### 14.4. Packing group:

Hazard label: 3+8  
Special Provisions: 223, 274  
Limited quantity: 5 L  
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):

##### 14.4. Packing group:

Hazard label: III  
Special Provisions: 3+8  
Limited quantity Passenger: A3 A803  
Passenger LQ: 1 L  
Excepted quantity: Y342  
IATA-packing instructions - Passenger: 354  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 365  
IATA-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, Entry 75

Information according to Directive 2012/18/EU (SEVESO III): H2 ACUTE TOXIC

Additional information: P5c, E2

#### **National regulatory 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.

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): 1,2,8,11.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

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#### Abbreviations and acronyms

Flam. Liq. 3: Flammable liquids, hazard category 3

Acute Tox. 2: Acute toxicity, hazard category 2

Skin Corr. 1A: Skin corrosion, sub-category 1A

Skin Irrit. 2: Skin irritation, hazard category 2

Eye Dam. 1: Serious eye damage, hazard category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Acute Tox. 2; H330	Calculation method
Acute Tox. 4; H302	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.
H301	Toxic if swallowed.
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.
EUH071	Corrosive to the respiratory tract.

#### Further Information

Provide appropriate information, instructions and training to users

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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*