

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Qubik NTF hardener

**Product no.**

-

**REACH registration number**

Not applicable

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

**Relevant identified uses of the substance or mixture**

Hærder til Qubik NFT Binder

**Uses advised against**

Must not be used by consumers.

The full text of any mentioned and identified use categories are given in section 16

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

**Company and address**

Gjerlev a/s  
Mandal Allé 9A  
5500 Middelfart  
Tlf: +45 72 28 28 06  
www.gjerlev.as

**Contact person**

Kjeld Gjerlev

**E-mail**

info@gjerlev.as

**SDS date**

2016-07-13

**SDS Version**

1.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Acute Tox. 4; H302 + H332  
Skin Corr. 1B; H314  
Skin Sens. 1; H317  
Eye Dam. 1; H318  
Aquatic Chronic 3; H412

### 2.2. Label elements

**Hazard pictogram(s)**



**Signal word**

Danger

**Hazard statement(s)**

Harmful if swallowed or if inhaled. (H302 + H332)  
 Causes severe skin burns and eye damage. (H314)  
 May cause an allergic skin reaction. (H317)  
 Harmful to aquatic life with long lasting effects. (H412)

<b>Safety statement(s)</b>	<b>General</b>	-
	<b>Prevention</b>	Do not breathe mist/vapours/fume/spray. (P260). Wear eye protection/protective clothing/protective gloves. (P280).
	<b>Response</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. (P303+P361+P353). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).
	<b>Storage</b>	-
	<b>Disposal</b>	-

**Identity of the substances primarily responsible for the major health hazards**

benzyl alcohol , 3-aminomethyl-3,5,5-trimethylcyclohexylamine , m-phenylenbis(methylamin), 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime., salicylsyre, phenol, styreneret, 3,6,9-triazaundecamethylenediamine tetraethylenepentamine , 2,2'-iminodiethylamine diethylenetriamine , bisphenol A 4,4'-isopropylidenediphenol

**2.3. Other hazards**

This product contains substances that may cause adverse effects to the reproductive system.  
 This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.

**Additional labelling**

-

**Additional warnings**

-

**VOC**

-

**SECTION 3: Composition/information on ingredients****3.1/3.2. Substances/Mixtures**

NAME:	benzyl alcohol
IDENTIFICATION NOS.:	CAS-no: 100-51-6 EC-no: 202-859-9 REACH-no: 01-2119492630-38-XXXX Index-no: 603-057-00-5
CONTENT:	25-40%
CLP CLASSIFICATION:	Acute Tox. 4, Eye Irrit. 2 H302, H319, H332
NAME:	3-aminomethyl-3,5,5-trimethylcyclohexylamine
IDENTIFICATION NOS.:	CAS-no: 2855-13-2 EC-no: 220-666-8 Index-no: 612-067-00-9
CONTENT:	25-40%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3 H302, H312, H314, H317, H412
NAME:	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..
IDENTIFICATION NOS.:	CAS-no: 38294-64-3 EC-no: 500-101-4
CONTENT:	15-25%
CLP CLASSIFICATION:	Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3 H314, H317, H412
NAME:	m-phenylenbis(methylamin)
IDENTIFICATION NOS.:	CAS-no: 1477-55-0 EC-no: 216-032-5 REACH-no: 01-2119480150-5-XXXX
CONTENT:	15-25%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3 H302, H314, H317, H332, H412, EUH071
NOTE:	S



NAME:	salicylsyre
IDENTIFICATION NOS.:	CAS-no: 69-72-7 EC-no: 200-712-3 REACH-no: 01-2119486984-17-XXXX
CONTENT:	5-10%
CLP CLASSIFICATION:	Acute Tox. 4, Eye Dam. 1 H302, H318
NAME:	phenol, styreneret
IDENTIFICATION NOS.:	CAS-no: 61788-44-1 EC-no: 262-975-0
CONTENT:	3-5%
CLP CLASSIFICATION:	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2 H315, H317, H411
NAME:	bisphenol A 4,4'-isopropylidenediphenol
IDENTIFICATION NOS.:	CAS-no: 80-05-7 EC-no: 201-245-8 REACH-no: 01-2119457856-23-XXXX Index-no: 604-030-00-0
CONTENT:	1-3%
CLP CLASSIFICATION:	STOT SE 3, Eye Dam. 1, Skin Sens. 1, Repr. 2, Aquatic Chronic 2 H317, H318, H335, H411, H361f
NAME:	2,2'-iminodiethylamine diethylenetriamine
IDENTIFICATION NOS.:	CAS-no: 111-40-0 EC-no: 203-865-4 REACH-no: 01-2119473793-27-XXXX Index-no: 612-058-00-X
CONTENT:	1-3%
CLP CLASSIFICATION:	Acute Tox. 2, Acute Tox. 4, STOT SE 3, Skin Corr. 1B, Skin Sens. 1 H302, H312, H314, H317, H330, H335
NOTE:	S
NAME:	3,6,9-triazaundecamethylenediamine tetraethylenepentamine
IDENTIFICATION NOS.:	CAS-no: 112-57-2 EC-no: 203-986-2 Index-no: 612-060-00-0
CONTENT:	1-3%
CLP CLASSIFICATION:	Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 2 H302, H312, H314, H317, H411

(\*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

S = Organic solvent

### Other information

ATEmix(inhale, vapour) = > 10 - 12,528  
 ATEmix(dermal) > 2000  
 ATEmix(oral) = 446,592 - 669,888  
 Eye Cat. 1 Sum = Sum(Ci/S(G)CLi) = 18,4384 - 27,6576  
 Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 49,5168 - 74,2752  
 N chronic (CAT 3) Sum = Sum(Ci/M(chronic))\*25\*0.1\*10^CATi) = 4,529024 - 6,793536

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this workplace instruction. The doctor can contact the The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

#### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

#### Eye contact

Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing.

#### Ingestion

In the case of ingestion, contact a doctor immediately and bring workplace instruction or label. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.



### Burns

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

No special

#### Information to medics

Bring this safety data sheet.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

### 5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Nitrogen oxides. Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours from spilled material. Avoid direct contact with spilled substances.

### 6.2. Environmental precautions

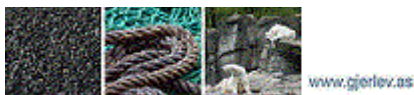
Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

### 6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.



## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

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

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Beware, this chemical can form peroxides. The potential contents of peroxide must be controlled regularly after opening, for example every 6th month.

#### Storage temperature

No data available.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

No substances are listed in the The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

#### DNEL / PNEC

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 1,4 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - Workers

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 10 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 1,4 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 10 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - Workers

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 0,7 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Short term – Systemic effects - General population

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 0,7 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 5,0 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Systemic effects - General population

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 0,25 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 0,05 mg/kg bw/day

Exposure: Oral

Duration of Exposure: Short term – Systemic effects - General population

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 0,05 mg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - General population

DNEL ( bisphenol A 4,4'-isopropylidenediphenol ): 5 mg/m<sup>3</sup>

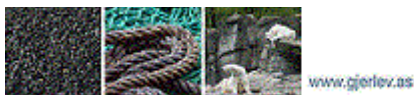
Exposure: Inhalation

Duration of Exposure: Short term – Local effects - General population

DNEL (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..): 0,98 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers



DNEL (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 0,14 mg/kg bw/day  
 Exposure: Dermal  
 Duration of Exposure: Long term – Systemic effects - Workers  
 DNEL (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 0,05 mg/kg bw/day  
 Exposure: Dermal  
 Duration of Exposure: Long term – Systemic effects - General population  
 DNEL (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 0,175 mg/m<sup>3</sup>  
 Exposure: Inhalation  
 Duration of Exposure: Long term – Systemic effects - General population  
 DNEL (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 0,05 mg/kg bw/day  
 Exposure: Oral  
 Duration of Exposure: Long term – Systemic effects - General population

PNEC ( bisphenol A 4,4'-isopropylidenediphenol ): 0,018 mg/L  
 Exposure: Freshwater  
 PNEC ( bisphenol A 4,4'-isopropylidenediphenol ): 0,016 mg/L  
 Exposure: Marine water  
 PNEC ( bisphenol A 4,4'-isopropylidenediphenol ): 320 mg/L  
 Exposure: Sewage Treatment Plant  
 PNEC ( bisphenol A 4,4'-isopropylidenediphenol ): 3,7 mg/kg  
 Exposure: Soil  
 PNEC (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 0,0111 mg/L  
 Exposure: Freshwater  
 PNEC (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 1,11 mg/L  
 Exposure: Marine water  
 PNEC (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 0,111 mg/L  
 Exposure: Intermittent release  
 PNEC (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 10 mg/L  
 Exposure: Sewage Treatment Plant  
 PNEC (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 0,0456 mg/kg  
 Exposure: Freshwater sediment  
 PNEC (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 4,56 µg/kg dwt  
 Exposure: Marine water sediment  
 PNEC (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane and 3-aminomethyl-3,5,5-trime..):  
 2,79 µg/kg dwt  
 Exposure: Soil

## 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

### General recommendations

Observe general occupational hygiene standards.

### Exposure scenarios

In the event exposure scenarios are appended to the workplace instruction, the operational conditions and risk management measures in these shall be complied with.

### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

### Hygiene measures

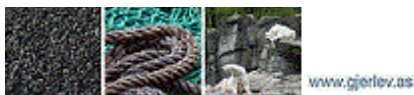
In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible collect spillage during work.

### Individual protection measures, such as personal protective equipment



**Generally**

Use only CE marked protective equipment.

The proposed personal protective equipment, is for mixing of the product ready for use, and the use of it.

**Respiratory Equipment**

Recommended: Self contained breathing apparatus.

**Skin protection**

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

**Hand protection**

Recommended: Butyl rubber

**Eye protection**

Wear safety glasses with side shields.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Form	Liquid
Colour	Yellowish
Odour	Characteristic
pH	No data available.
Viscosity	663 cP
Density (g/cm <sup>3</sup> )	1,035

**Phase changes**

Melting point (°C)	No data available.
Boiling point (°C)	>200
Vapour pressure	No data available.

**Data on fire and explosion hazards**

Flashpoint (°C)	97
Ignition (°C)	No data available.
Self-ignition (°C)	No data available.
Explosion limits (Vol %)	No data available.

**Solubility**

Solubility in water	Insoluble
n-octanol/water coefficient	No data available.

**9.2. Other information**

Solubility in fat (g/L)	No data available.
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**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data available

**10.2. Chemical stability**

Hardening time: 1 day at 20 C.

**10.3. Possibility of hazardous reactions**

No special

**10.4. Conditions to avoid**

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.



## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Substance	Species	Test	Route of exposure	Result
2,2'-iminodiethylamine dieth...	Rat	LD50	Oral	1080 mg/kg
2,2'-iminodiethylamine dieth...	Rabbit	LD50	Dermal	1054 mg/kg
bisphenol A 4,4'-isopropylid...	Rat	LD50	Oral	3250 mg/kg
bisphenol A 4,4'-isopropylid...	Rabbit	LD50	Dermal	3000 mg/kg
phenol, styreneret	Rat	LD50	Oral	2500 mg/kg
phenol, styreneret	Rat	LC50	Inhalation	> 2,5 mg/L
phenol, styreneret	Rabbit	LD50	Dermal	5010 mg/kg
salicylsyre	Rat	LD50	Oral	891 mg/kg
salicylsyre	Rabbit	LD50	Dermal	> 10000 mg/kg
m-phenylenbis(methylamin)	Rat	LD50	Oral	mg/kg
m-phenylenbis(methylamin)	Rabbit	LC50	Inhalation	930 mg/kg
m-phenylenbis(methylamin)	Rabbit	LD50	Dermal	2,4 mg/L/4h
3-aminomethyl-3,5,5-trimethyl...	Rat	LD50	Oral	2000 mg/kg
benzyl alcohol	Rat	LD50	Oral	1030 mg/kg
benzyl alcohol	Rat	LC50	Inhalation	1230 mg/kg
benzyl alcohol	Rabbit	LD50	Dermal	> 4178 mg/L 2000 mg/kg

#### Skin corrosion/irritation

Causes severe skin burns and eye damage.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

No data available.

#### Reproductive toxicity

No data available.

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### Long term effects

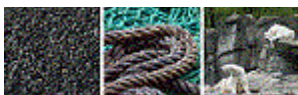
Reproductive toxicity: This product contains reprotoxic substances, which may harm the reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.





## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Species	Test	Duration	Result
2,2'-iminodiethylamine dieth...	Daphnia	LC50	48 h	16 mg/L
2,2'-iminodiethylamine dieth...	Algae	EC50	72 h	53,500 µg/L
bisphenol A 4,4'-isopropylid...	Fish	LC50	95 h	4,6 mg/L
bisphenol A 4,4'-isopropylid...	Crustacean	EC50	48 h	1-16 mg/L
bisphenol A 4,4'-isopropylid...	Algae	EC50	96 h	2,73 mg/L
salicylsyre	Crustacean	EC50	48 h	870 mg/L
benzyl alcohol	Fish	LC50	96 h	10000 µg/L

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			

### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
2,2'-iminodiethylamine dieth...	No	-1,3	2,8
bisphenol A 4,4'-isopropylid...	No	3,4	73
salicylsyre	No	2,25	No data available
m-phenylenbis(methylamin)	No	0,18	0,43
benzyl alcohol	No	1,1	No data available

### 12.4. Mobility in soil

2,2'-iminodiethylamine dieth...: Log Koc= -0,95107, Calculated from LogPow ().  
 bisphenol A 4,4'-isopropylid...: Log Koc= 2,77086, Calculated from LogPow (Moderate mobility potential.).  
 salicylsyre: Log Koc= 1,860175, Calculated from LogPow (High mobility potential.).  
 m-phenylenbis(methylamin): Log Koc= 0,220942, Calculated from LogPow (High mobility potential.).  
 benzyl alcohol : Log Koc= 0,94949, Calculated from LogPow (High mobility potential.).

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

#### Waste

EWC code

-

#### Specific labelling

-

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

### 14.1 – 14.4

Not dangerous goods according to ADR and IMDG.

#### ADR/RID

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-
Tunnel restriction code	-



**IMDG**

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-

**IATA/ICAO**

UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

-

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

No data available

(\*) Packing group

(\*\*) Marine pollutant

**SECTION 15: Regulatory information**

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

**Restrictions for application**

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

**Demands for specific education**

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**Additional information**

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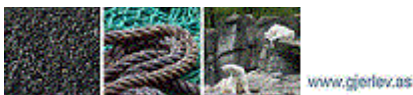
**Sources**

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP). EC regulation 1907/2006 (REACH).

**15.2. Chemical safety assessment**

No



## SECTION 16: Other information

### Full text of H-phrases as mentioned in section 3

- H302 - Harmful if swallowed.
- H312 - Harmful in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H330 - Fatal if inhaled.
- H332 - Harmful if inhaled.
- H335 - May cause respiratory irritation.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.
- EUH071 - Corrosive to the respiratory tract.
- H361f - Suspected of damaging fertility.

### The full text of identified uses as mentioned in section 1

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### Other symbols mentioned in section 2

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### Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.  
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.  
A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

### The safety data sheet is validated by

AW /CHYMEIA

### Date of last essential change (First cipher in SDS version)

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### Date of last minor change (Last cipher in SDS version)

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