

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RETAINING COMPOUNDS

Revision date: 05.09.2018

Product code: see Product identifier

Page 1 of 13

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

#### 1.1. Product identifier

RETAINING COMPOUNDS AN 3603 3620 3638 3641 3648

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

##### Use of the substance/mixture

Adhesives, sealants

##### Uses advised against

Any non-intended use.

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

Company name:	Nohtec GmbH	
Street:	Höhenweg 9	
Place:	D-53937 Schleiden	
Telephone:	+49 (0) 2445 852432	Telefax: +49 (0) 2445 852433
Internet:	www.zyrobond.com	
Responsible Department:	Dr. Gans-Eichler Chemieberatung GmbH Raesfeldstr. 22 D-48149 Münster	e-mail: info@tge-consult.de Tel.: +49(0)251/394868-69 www.tge-consult.de

#### 1.4. Emergency telephone number:

Poison Information Center (GGIZ Erfurt): +49-361-730730

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause an allergic skin reaction.

May cause respiratory irritation.

#### 2.2. Label elements

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

##### Hazard components for labelling

methacrylic acid, monoester with propane-1,2-diol

acrylic acid, prop-2-enoic acid

Aliphatic urethane acrylate

2'-Phenylacetohydrazide

Signal word: Danger

Pictograms:



##### Hazard statements

H314

Causes severe skin burns and eye damage.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RETAINING COMPOUNDS

Revision date: 05.09.2018

Product code: see Product identifier

Page 2 of 13

H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.

### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
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.  
P405 Store locked up.  
P501 Dispose of contents/container to in accordance with official regulations.

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
27813-02-1	methacrylic acid, monoester with propane-1,2-diol			45 - < 50 %
	248-666-3			
	Eye Irrit. 2, Skin Sens. 1; H319 H317			
79-10-7	acrylic acid, prop-2-enoic acid			5 - < 10 %
	201-177-9	607-061-00-8		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Aquatic Acute 1; H226 H332 H312 H302 H314 H400			
-	Aliphatic urethane acrylate			5 - < 10 %
	Skin Irrit. 2, Skin Sens. 1; H315 H317			
80-15-9	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide			< 1 %
	201-254-7	617-002-00-8		
	Org. Perox. E, Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, STOT RE 2, Skin Corr. 1B, Aquatic Chronic 2; H242 H331 H312 H302 H373 ** H314 H411			
114-83-0	2'-Phenylacetohydrazide			< 1 %
	204-055-3			
	Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3; H301 H315 H319 H317 H335			

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

#### Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RETAINING COMPOUNDS

Revision date: 05.09.2018

Product code: see Product identifier

Page 3 of 13

sheet if possible).

### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician. In the case of lung irritation: Primary treatment using corticoide spray, eg. Auxiloson spray, Pulmicort-dosage-spray. (Auxiloson and Pulmicort are registered trademarks).

### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, consult a physician.

### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

### After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Sand. Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

#### Unsuitable extinguishing media

High power water jet

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

Can be released in case of fire: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

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

Wear personal protection equipment (refer to section 8).  
Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not allow to enter into soil/subsoil.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.  
Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

No information available.

## SECTION 7: Handling and storage

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RETAINING COMPOUNDS

Revision date: 05.09.2018

Product code: see Product identifier

Page 4 of 13

### 7.1. Precautions for safe handling

#### Advice on safe handling

Wear suitable protective clothing. ( See section 8. )  
 Conditions to avoid: aerosol or mist formation  
 Avoid contact with skin, eyes and clothes.

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Further information on handling

Advices on general occupational hygiene: See section 8.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.

#### Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Organic peroxides. Self-reactive substances and mixtures. Radioactive substances. Infectious substances.

#### Further information on storage conditions

Recommended storage temperature: 20°C  
 Protect against: Light. UV-radiation/sunlight. heat. moisture.

### 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls



#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.  
 When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### Protective and hygiene measures

When using do not eat, drink or smoke.

#### Eye/face protection

Wear eye/face protection. DIN EN 166

#### Hand protection

Pull-over gloves of rubber. DIN EN 374

Suitable material:

(Breakthrough time  $\geq$  480 min, penetration time (maximum wearing period): 160 min)

Butyl rubber. (0,5 mm)

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RETAINING COMPOUNDS

Revision date: 05.09.2018

Product code: see Product identifier

Page 5 of 13

mentioned above together with the supplier of these gloves.

### Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

- exceeding exposure limit values
- insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

### Environmental exposure controls

No information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	-
Odour:	characteristic

#### Test method

pH-Value: not determined

### Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: not determined

Sublimation point: No information available.

Softening point: No information available.

Pour point: No information available.

Flash point: not determined

Sustaining combustion: No data available

### Flammability

Solid: No information available.

Gas: No information available.

### Explosive properties

none

Lower explosion limits: not determined

Upper explosion limits: not determined

Ignition temperature: No information available.

### Auto-ignition temperature

Solid: No information available.

Gas: No information available.

Decomposition temperature: No information available.

### Oxidizing properties

none

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RETAINING COMPOUNDS

Revision date: 05.09.2018

Product code: see Product identifier

Page 6 of 13

Vapour pressure: (at 20 °C)	not determined
Vapour pressure: (at 50 °C)	No information available.
Density (at 20 °C):	not determined
Bulk density:	No information available.
Water solubility:	No information available.
<b>Solubility in other solvents</b>	
No information available.	
Partition coefficient:	No information available.
Viscosity / dynamic:	not determined
Viscosity / kinematic:	No information available.
Flow time:	No information available.
Vapour density:	No information available.
Evaporation rate:	No information available.
Solvent separation test:	No information available.
Solvent content:	No information available.

#### **9.2. Other information**

Solid content: No information available.

No information available.

### **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

Hazardous polymerisation: Protect against direct sunlight. Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

#### **10.2. Chemical stability**

Stable under normal storage and handling conditions.

#### **10.3. Possibility of hazardous reactions**

No information available.

#### **10.4. Conditions to avoid**

Protect against: Light. UV-radiation/sunlight. heat. Cold. moisture.

#### **10.5. Incompatible materials**

Materials to avoid: Strong acid. Oxidizing agents, strong. Alkalis (alkalis), concentrated.

#### **10.6. Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

##### **Toxicokinetics, metabolism and distribution**

No information available.

##### **Acute toxicity**

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

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RETAINING COMPOUNDS

Revision date: 05.09.2018

Product code: see Product identifier

Page 7 of 13

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
27813-02-1	methacrylic acid, monoester with propane-1,2-diol				
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >5000 mg/kg	Rabbit.	ECHA Dossier	
79-10-7	acrylic acid, prop-2-enoic acid				
	oral	LD50 > 192 mg/kg	Rat		
	dermal	LD50 > 290 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 3,6 mg/l	Rat		
	inhalation aerosol	ATE 1,5 mg/l			
80-15-9	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide				
	oral	LD50 382 mg/kg	Rat	IUCLID	
	dermal	LD50 (500) mg/kg	Rat	RTECS	
	inhalation (4 h) vapour	LC50 (200) mg/l	Mouse.	IUCLID	
	inhalation aerosol	ATE 0,5 mg/l			
114-83-0	2'-Phenylacetohydrazide				
	oral	LD50 270 mg/kg	Mouse.	RTECS	

### Irritation and corrosivity

Causes severe skin burns and eye damage.

### Sensitising effects

May cause an allergic skin reaction. (methacrylic acid, monoester with propane-1,2-diol; Aliphatic urethane acrylate; 2'-Phenylacetohydrazide)

Respiratory or skin sensitisation:

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

### Carcinogenic/mutagenic/toxic effects for reproduction

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RETAINING COMPOUNDS**

Revision date: 05.09.2018

Product code: see Product identifier

Page 8 of 13

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

methacrylic acid, monoester with propane-1,2-diol:

In-vitro mutagenicity: in vitro mammalian chromosome aberration test = positive. Literature information: Mutation Research 517 (1-2): 187-198

OECD Guideline 471 (Bacterial Reverse Mutation Assay) = negative. Literature information: ECHA Dossier

OECD Guideline 472 (Genetic Toxicology: Escherichia coli, Reverse Mutation Assay) = negative. Literature information: ECHA Dossier

OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) = negative. Literature information: ECHA Dossier

In-vivo mutagenicity: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) = negative. Literature information: ECHA Dossier

Carcinogenicity: (Rat) NOAEC = >2,05 mg/l; Literature information: ECHA Dossier

Developmental toxicity/teratogenicity (Rat) NOAEL = 50 mg/kg(bw)/day; Literature information: ECHA Dossier

acrylic acid, prop-2-enoic acid:

In-vitro mutagenicity: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) = negative. Literature information: ECHA Dossier

In-vivo mutagenicity: No experimental indications of mutagenicity in-vivo exist. Literature information: ECHA Dossier

Carcinogenicity: (Mouse.) NOAEL = >10 mg/kg(bw)/day; Literature information: ECHA Dossier

Developmental toxicity/teratogenicity (Rat) NOAEC = 0,075 mg/l; Literature information: ECHA Dossier

cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide:

In-vitro mutagenicity: OECD Guideline 471 (Bacterial Reverse Mutation Assay) = positive. Literature information: ECHA Dossier

No experimental indications of mutagenicity in-vivo exist. Literature information: ECHA Dossier

**STOT-single exposure**

May cause respiratory irritation. (acrylic acid, prop-2-enoic acid)

**STOT-repeated exposure**

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

methacrylic acid, monoester with propane-1,2-diol:

Subchronic oral toxicity (90d, Rat) NOAEL = 300 mg/kg(bw)/day; Literature information: ECHA Dossier

acrylic acid, prop-2-enoic acid:

Subchronic oral toxicity (90d, Rat) NOAEL = 40 mg/kg; Literature information: ECHA Dossier

Subchronic inhalative toxicity (90d, Rat) LOAEC = 0,015 mg/l; Literature information: ECHA Dossier

cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide:

Subchronic inhalative toxicity (Rat.) NOAEC = 31 mg/m<sup>3</sup>; Literature information: ECHA Dossier

**Aspiration hazard**

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

**Specific effects in experiment on an animal**

No information available.

**SECTION 12: Ecological information****12.1. Toxicity**

The product has not been tested.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RETAINING COMPOUNDS

Revision date: 05.09.2018

Product code: see Product identifier

Page 9 of 13

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
27813-02-1	methacrylic acid, monoester with propane-1,2-diol					
	Acute fish toxicity	LC50 mg/l	493 (48h)	96 h	Leuciscus idus melanotus	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	>143	48 h	Daphnia magna	ECHA Dossier
79-10-7	acrylic acid, prop-2-enoic acid					
	Acute fish toxicity	LC50	27 mg/l	96 h	Onchorhynchus mykiss	
	Acute crustacea toxicity	EC50	95 mg/l	48 h	Daphnia magna	
80-15-9	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide					
	Acute fish toxicity	LC50	3,9 mg/l	96 h	Oncorhynchus mykiss	ECHA Dossier
	Acute algae toxicity	ErC50	3,1 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	18,84	48 h	Daphnia magna	ECHA Dossier

#### 12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
27813-02-1	methacrylic acid, monoester with propane-1,2-diol			
	OECD 301C / ISO 9408 / EWG 92/69 Anhang V, C.4-F	>81%	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
80-15-9	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide			
	OECD 301B / ISO 9439 / EWG 92/69 Anhang V, C.4-C	3%	28	ECHA Dossier
	Not easily bio-degradable (according to OECD-criteria).			

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
27813-02-1	methacrylic acid, monoester with propane-1,2-diol	0,97
79-10-7	acrylic acid, prop-2-enoic acid	0,35
80-15-9	cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide	2,16

#### 12.4. Mobility in soil

No information available.

#### 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.

#### 12.6. Other adverse effects

No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RETAINING COMPOUNDS

Revision date: 05.09.2018

Product code: see Product identifier

Page 10 of 13

### Advice on disposal

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Control report for waste code/ waste marking according to EAKV:

### Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

### Waste disposal number of used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

### Waste disposal number of contaminated packaging


150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

### Contaminated packaging

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

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 1760
<b>14.2. UN proper shipping name:</b>	CORROSIVE LIQUID, N.O.S. (acrylic acid, prop-2-enoic acid; cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide)
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	II
Hazard label:	8
	
Classification code:	C9
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	80
Tunnel restriction code:	E

### Inland waterways transport (ADN)

<b>14.1. UN number:</b>	UN 1760
<b>14.2. UN proper shipping name:</b>	CORROSIVE LIQUID, N.O.S. (acrylic acid, prop-2-enoic acid; cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide)
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	II
Hazard label:	8

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RETAINING COMPOUNDS

Revision date: 05.09.2018

Product code: see Product identifier

Page 11 of 13



Classification code: C9  
 Special Provisions: 274  
 Limited quantity: 1 L  
 Excepted quantity: E2

### Marine transport (IMDG)

**14.1. UN number:** UN 1760  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, N.O.S. (acrylic acid, prop-2-enoic acid; cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Marine pollutant: NO  
 Special Provisions: 274  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 EmS: F-A, S-B

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1760  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, N.O.S. (acrylic acid, prop-2-enoic acid; cumene hydroperoxide, alpha,alpha-dimethylbenzyl hydroperoxide)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Special Provisions: A3 A803  
 Limited quantity Passenger: 0.5 L  
 Passenger LQ: Y840  
 Excepted quantity: E2  
 IATA-packing instructions - Passenger: 851  
 IATA-max. quantity - Passenger: 1 L  
 IATA-packing instructions - Cargo: 855  
 IATA-max. quantity - Cargo: 30 L

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

Safe handling: see section 7  
 Personal protection equipment: see section 8

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RETAINING COMPOUNDS**

Revision date: 05.09.2018

Product code: see Product identifier

Page 12 of 13

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC):	No information available.
2004/42/EC (VOC):	No information available.
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

**Additional information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].  
REACH 1907/2006 Appendix XVII, No (mixture): 3

**National regulatory information**

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D):	2 - clearly water contaminating

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

**SECTION 16: Other information****Changes**

Rev. 1,00, 16.12.2014, Initial release  
Rev. 2,00; 05.09.2018; Changes in chapter: 1-16

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
CAS Chemical Abstracts Service  
DNEL: Derived No Effect Level  
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
LOAEL: Lowest observed adverse effect level  
LOAEC: Lowest observed adverse effect concentration  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NOAEL: No observed adverse effect level  
NOAEC: No observed adverse effect level  
NTP: National Toxicology Program  
N/A: not applicable  
OSHA: Occupational Safety and Health Administration  
PNEC: predicted no effect concentration  
PBT: Persistent bioaccumulative toxic  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
SARA: Superfund Amendments and Reauthorization Act  
SVHC: substance of very high concern  
TRGS Technische Regeln fuerGefahrstoffe  
TSCA: Toxic Substances Control Act

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RETAINING COMPOUNDS**

Revision date: 05.09.2018

Product code: see Product identifier

Page 13 of 13

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

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

Classification	Classification procedure
Skin Corr. 1A; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	Calculation method

**Relevant H and EUH statements (number and full text)**

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H301	Toxic if swallowed.
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.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

**Further Information**

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

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