

# Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))

## AEROGLAZE Z307 BLACK - P16113

Regulation (EU) n. 2020/878

**Safety Data Sheet date: 27/4/2023, version 4**

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

#### 1.1. Product identifier

Trade name: AEROGLAZE Z307 BLACK

SDS code: P16113

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

Recommended use:

Paint/Coating

Industrial uses

Uses advised against:

No uses advised against are identified.

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

##### Manufacturers:

LORD CORPORATION for SOCOMORE - 111 LORD DRIVE - CARY, NC 27511-7923 - U.S.A. -

Tel.: 001 814 868 0924

##### Distributors:

Dysol Inc. - 5475 E. State Highway 114, Rhome Texas, 76078 / Phone: 1-817-335-1826 /

csr-na@socomore.com/ Fax Number: 817-335-2405

##### Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

#### 1.4. Emergency telephone number











International : CHEMTEL +1-813-248-0585.

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### SECTION 2: Hazards identification

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

##### EC regulation criteria 1272/2008 (CLP)

-  Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2, Causes serious eye irritation.
-  Danger, Resp. Sens. 1, May cause allergy or asthma symptoms or breathing difficulties if inhaled.
-  Warning, Carc. 2, Suspected of causing cancer.
-  Warning, Repr. 2, Suspected of damaging fertility or the unborn child.
-  Warning, STOT SE 3, May cause respiratory irritation.
-  Warning, STOT SE 3, May cause drowsiness or dizziness.
-  Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.
-  Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

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Hazard pictograms:



Danger

Hazard statements:

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.

Precautionary statements:

- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe vapours.
- P280 Wear protective gloves/clothing and eye/face protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P331 Do NOT induce vomiting.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
- P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

- EUH208 Contains m-tolylidene diisocyanate; toluene-diisocyanate. May produce an allergic reaction.
- EUH208 Contains methylenediphenyl diisocyanate. May produce an allergic reaction.

Contains

- toluene
- Reaction mass of xylene and ethylbenzen
- 4-methylpentan-2-one; isobutyl methyl ketone
- 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate

Special provisions according to Annex XVII of REACH and subsequent amendments:

As from 24 August 2023 adequate training is required before industrial or professional use.

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards:

No other hazards

Mixtures of (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) silanetriol and/or any of its mono-, di- or

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tri-O-(alkyl) derivatives in a concentration equal to or greater than 2 ppb and organic solvents in spray products, are for professional users only and marked 'Fatal if inhaled'.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

N.A.

#### 3.2. Mixtures
















Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number		Classification
>= 30% - < 40%	toluene	Index	601-021-00-3	<div> <div>2.6/2 Flam. Liq. 2 H225</div> <div>3.7/2 Repr. 2 H361d</div> <div>3.10/1 Asp. Tox. 1 H304</div> <div>3.9/2 STOT RE 2 H373</div> <div>3.2/2 Skin Irrit. 2 H315</div> <div>3.8/3 STOT SE 3 H336</div> </div>
		number:		
		CAS:	108-88-3	
		EC:	203-625-9	
>= 20% - < 25%	Reaction mass of xylene and ethylbenzen			<div>2.6/3 Flam. Liq. 3 H226</div> <div>3.1/4/Dermal Acute Tox. 4 H312</div> <div>3.1/4/Inhal Acute Tox. 4 H332</div> <div>3.2/2 Skin Irrit. 2 H315</div> <div>3.3/2 Eye Irrit. 2 H319</div> <div>3.8/3 STOT SE 3 H335</div> <div>3.9/2 STOT RE 2 H373</div> <div>3.10/1 Asp. Tox. 1 H304</div>
>= 10% - < 12.5%	2-methoxy-1- methylethyl acetate	Index	607-195-00-7	<div>2.6/3 Flam. Liq. 3 H226</div>
		number:		
		CAS:	108-65-6	
		EC:	203-603-9	
>= 7% - < 10%	4-methylpentan-2-one; isobutyl methyl ketone	Index	606-004-00-4	<div>2.6/2 Flam. Liq. 2 H225</div> <div>3.6/2 Carc. 2 H351</div> <div>3.1/4/Inhal Acute Tox. 4 H332</div> <div>3.8/3 STOT SE 3 H336</div> <div>3.3/2 Eye Irrit. 2 H319</div>
		number:		
		CAS:	108-10-1	
		EC:	203-550-1	
				EUH066
				Acute Toxicity Estimate: ATE - Inhalation (Vapours) 11 mg/l
>= 1% - < 3%	1-(3-methoxypropoxy) propyl acetate	CAS:	88917-22-0	<div>3.1/4/Oral Acute Tox. 4 H302</div>
		EC:	618-219-0	<div>3.2/2 Skin Irrit. 2 H315</div>
				<div>3.3/2 Eye Irrit. 2 H319</div>
>= 1% -	AMORPHOUS SILICA	CAS:	112945-52-5	<div>3.2/2 Skin Irrit. 2 H315</div>

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< 3%			<p>⚠ 3.3/2 Eye Irrit. 2 H319</p> <p>⚠ 3.8/3 STOT SE 3 H335</p>
>= 0.5% - < 1%	4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate	<p>Index number: 615-005-00-9</p> <p>CAS: 101-68-8</p> <p>EC: 202-966-0</p>	<p>⚠ 3.6/2 Carc. 2 H351</p> <p>⚠ 3.9/2 STOT RE 2 H373</p> <p>⚠ 3.3/2 Eye Irrit. 2 H319</p> <p>⚠ 3.8/3 STOT SE 3 H335</p> <p>⚠ 3.2/2 Skin Irrit. 2 H315</p> <p>⚠ 3.4.1/1 Resp. Sens. 1 H334</p> <p>⚠ 3.4.2/1 Skin Sens. 1 H317</p> <p>⚠ 3.1/4/Inhal Acute Tox. 4 H332</p> <p>Specific Concentration Limits:</p> <p>C &gt;= 5%: Eye Irrit. 2 H319</p> <p>C &gt;= 5%: Skin Irrit. 2 H315</p> <p>C &gt;= 0,1%: Resp. Sens. 1 H334</p> <p>C &gt;= 5%: STOT SE 3 H335</p>
>= 0.1% - < 0.25%	BUTYLHYDROXYTOLUENE	<p>CAS: 128-37-0</p> <p>EC: 204-881-4</p>	<p>⚠ 4.1/A1 Aquatic Acute 1 H400</p> <p>⚠ 4.1/C1 Aquatic Chronic 1 H410</p>
>= 0.001% - < 0.1%	m-tolylidene diisocyanate; toluene-diisocyanate	<p>Index number: 615-006-00-4</p> <p>CAS: 26471-62-5</p> <p>EC: 247-722-4</p>	<p>⚠ 3.6/2 Carc. 2 H351</p> <p>⚠ 3.3/2 Eye Irrit. 2 H319</p> <p>⚠ 3.8/3 STOT SE 3 H335</p> <p>⚠ 3.2/2 Skin Irrit. 2 H315</p> <p>⚠ 3.4.1/1 Resp. Sens. 1 H334</p> <p>⚠ 3.4.2/1 Skin Sens. 1 H317</p> <p>4.1/C3 Aquatic Chronic 3 H412</p> <p>⚠ 3.1/2/Inhal Acute Tox. 2 H330</p> <p>Specific Concentration Limits:</p> <p>C &gt;= 0,1%: Resp. Sens. 1 H334</p>
>= 0.001% - < 0.1%	methylenediphenyl diisocyanate	<p>Index number: 615-005-00-9</p> <p>CAS: 26447-40-5</p> <p>EC: 247-714-0</p>	<p>⚠ 3.6/2 Carc. 2 H351</p> <p>⚠ 3.9/2 STOT RE 2 H373</p> <p>⚠ 3.3/2 Eye Irrit. 2 H319</p> <p>⚠ 3.8/3 STOT SE 3 H335</p> <p>⚠ 3.2/2 Skin Irrit. 2 H315</p> <p>⚠ 3.4.1/1 Resp. Sens. 1 H334</p> <p>⚠ 3.4.2/1 Skin Sens. 1 H317</p> <p>⚠ 3.1/4/Inhal Acute Tox. 4 H332</p> <p>Specific Concentration Limits:</p> <p>C &gt;= 5%: Eye Irrit. 2 H319</p> <p>C &gt;= 5%: Skin Irrit. 2 H315</p> <p>C &gt;= 0,1%: Resp. Sens. 1 H334</p> <p>C &gt;= 5%: STOT SE 3 H335</p>
>= 0.001%	benzene	<p>Index 601-020-00-8</p>	<p>⚠ 2.6/2 Flam. Liq. 2 H225</p>

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- < 0.1%		number: 71-43-2 CAS: EC: 200-753-7	 3.6/1A Carc. 1A H350  3.5/1B Muta. 1B H340  3.9/1 STOT RE 1 H372  3.10/1 Asp. Tox. 1 H304  3.3/2 Eye Irrit. 2 H319  3.2/2 Skin Irrit. 2 H315
< 0.0005%	1,2,4-trimethylbenzene	Index number: 601-043-00-3 CAS: 95-63-6 EC: 202-436-9	 2.6/3 Flam. Liq. 3 H226  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H335  3.2/2 Skin Irrit. 2 H315  4.1/C2 Aquatic Chronic 2 H411  3.1/4/Inhal Acute Tox. 4 H332
< 0.0005%	mesitylene; 1,3,5-trimethylbenzene	Index number: 601-025-00-5 CAS: 108-67-8 EC: 203-604-4	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H335  4.1/C2 Aquatic Chronic 2 H411 Specific Concentration Limits: C >= 25%: STOT SE 3 H335

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

No particular treatment.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

In case of fire, use a CO<sub>2</sub> fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

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Burning produces heavy smoke.

Hazardous combustion products:

#### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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## SECTION 6: Accidental release measures

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

Suitable material for taking up: absorbing material, sand.

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

Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

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

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limit values

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toluene - CAS: 108-88-3

- OEL Type: National - TWA(8h): 190 mg/m<sup>3</sup> - Notes: Germany - DFG, H, Y
- OEL Type: National - TWA(8h): 76.8 mg/m<sup>3</sup>, 20 ppm - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: France VLEC - TMP N° 4bis, 84
- OEL Type: EU - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: Skin
- OEL Type: National - TWA: 191 mg/m<sup>3</sup>, 50 ppm - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: UK (WELs)
- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: OTO; A4; BEI - CNS, visual & hearing impair; female repro system eff; pregnancy loss
- OEL Type: National - TWA: 190 mg/m<sup>3</sup>, 50 ppm - STEL(15min (Miw)): 380 mg/m<sup>3</sup>, 100 ppm - Notes: Österreich

Reaction mass of xylene and ethylbenzen

- OEL Type: National - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: XYLENE-FRANCE(VLEC - TMP N° 4Bis, 84)
- OEL Type: National - TWA(8h): 440 mg/m<sup>3</sup> - Notes: XYLENE- Germany -(DFG, H)
- OEL Type: National - TWA(8h): 220 mg/m<sup>3</sup>, 50 ppm - STEL: 441 mg/m<sup>3</sup>, 100 ppm - Notes: XYLENE-UK(WEL)
- OEL Type: EU - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: XYLENE-EU
- OEL Type: National - TWA(8h): 88.4 mg/m<sup>3</sup>, 20 ppm - Notes: ETHYLBENZENE-Germany
- OEL Type: National - TWA(8h): 88.4 mg/m<sup>3</sup>, 20 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: ETHYLBENZENE--FRANCE(VLEC - TMP N° 4Bis, 84)
- OEL Type: National - TWA(8h): 441 mg/m<sup>3</sup>, 100 ppm - STEL: 552 mg/m<sup>3</sup>, 125 ppm - Notes: ETHYLBENZENE-UK(WEL)
- OEL Type: EU - TWA(8h): 442 mg/m<sup>3</sup>, 100 ppm - STEL: 884 mg/m<sup>3</sup>, 200 ppm - Notes: ETHYLBENZENE-EU

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

- OEL Type: ACGIH - TWA(8h): 150 ppm - STEL: 100 ppm
- OEL Type: National - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: France VLEP
- OEL Type: National - TWA(8h): 270 mg/m<sup>3</sup>, 50 ppm - Notes: GERMANY
- OEL Type: National - TWA(8h): 274 mg/m<sup>3</sup>, 50 ppm - STEL: 548 mg/m<sup>3</sup>, 100 ppm - Notes: UK (WELs)
- OEL Type: National - TWA: 260 mg/m<sup>3</sup> - STEL: 520 mg/m<sup>3</sup> - Notes: POLAND
- OEL Type: EU - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: Skin
- OEL Type: AIHA

- TWA: 50 ppm

- OEL Type: MAK - TWA: 275 mg/m<sup>3</sup>, 50 ppm - STEL(5 min (Mow)): 550 mg/m<sup>3</sup>, 100 ppm - Notes: Österreich

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

- OEL Type: EU - TWA(8h): 83 mg/m<sup>3</sup>, 20 ppm - STEL: 208 mg/m<sup>3</sup>, 50 ppm
- OEL Type: ACGIH - TWA(8h): 20 ppm - STEL: 75 ppm - Notes: A3, BEI - URT irr,



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dizziness, headache

- OEL Type: National - TWA(4h): 83 mg/m<sup>3</sup>, 20 ppm - STEL: 208 mg/m<sup>3</sup>, 50 ppm -  
Behaviour: Binding - Notes: France

4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate - CAS: 101-68-8

- OEL Type: ACGIH - TWA(8h): 0.005 ppm - Notes: Resp sens

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

- OEL Type: ACGIH - TWA(8h): 2 mg/m<sup>3</sup> - Notes: (IFV), A4 - URT irr

benzene - CAS: 71-43-2

- OEL Type: EU - TWA(8h): 3.25 mg/m<sup>3</sup>, 1 ppm - Notes: Skin

- OEL Type: ACGIH - TWA(8h): 0.5 ppm - STEL: 2.5 ppm - Notes: Skin, A1, BEI -  
Leukemia

1,2,4-trimethylbenzene - CAS: 95-63-6

- OEL Type: EU - TWA(8h): 100 mg/m<sup>3</sup>, 20 ppm

- OEL Type: ACGIH - TWA(8h): 10 ppm - Notes: A4 - CNS impair, hematologic eff

mesitylene; 1,3,5-trimethylbenzene - CAS: 108-67-8

- OEL Type: National - TWA(8h): 100 mg/m<sup>3</sup> - Notes: Germany - DFG, EU, Y

- OEL Type: National - TWA(8h): 100 mg/m<sup>3</sup>, 20 ppm - STEL: 250 mg/m<sup>3</sup>, 50 ppm -

Notes: France VLEC (INRS -TMP N° 84)

- OEL Type: National - TWA(8h): 100 mg/m<sup>3</sup>, 20 ppm - Notes: France VLEI

- OEL Type: EU - TWA(8h): 100 mg/m<sup>3</sup>, 20 ppm

- OEL Type: ACGIH - TWA(8h): 10 ppm - Notes: CNS impair, hematologic eff

#### DNEL Exposure Limit Values

toluene - CAS: 108-88-3

Worker Professional: 384 mg/m<sup>3</sup>

Worker Professional: 192 mg/m<sup>3</sup>

Worker Professional: 180 mg/m<sup>3</sup>

Reaction mass of xylene and ethylbenzen

Worker Professional: 289 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term,  
systemic effects - Notes: XYLENE

Worker Professional: 289 mg/m<sup>3</sup> - Consumer: 1.6 - Exposure: Human Inhalation -  
Frequency: Short Term, local effects - Notes: XYLENE

Worker Professional: 180 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long  
Term, systemic effects - Notes: XYLENE

Worker Professional: 77 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term,  
systemic effects - Notes: XYLENE

Consumer: 1.6 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic  
effects - Notes: XYLENE

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 153.5 mg/kg b.w./day - Consumer: 54.8 mg/kg b.w./day - Exposure:  
Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 275 mg/m<sup>3</sup> - Consumer: 33 mg/m<sup>3</sup> - Exposure: Human Inhalation -  
Frequency: Long Term, systemic effects

Consumer: 1.67 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term,  
systemic effects

4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate - CAS: 101-68-8



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Worker Industry: 0.05 mg/m<sup>3</sup> - Consumer: 0.025 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 0.1 mg/m<sup>3</sup> - Consumer: 0.05 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 0.05 mg/m<sup>3</sup> - Consumer: 0.025 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 0.1 mg/m<sup>3</sup> - Consumer: 0.05 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 50 mg/kg b.w./day - Consumer: 25 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Short Term, systemic effects

Worker Industry: 28.7 mg/kg b.w./day - Consumer: 17.2 mg/cm<sup>2</sup> - Exposure: Human Dermal - Frequency: Short Term, local effects

Consumer: 20 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

#### BUTYLHYDROXYTOLUENE - CAS: 128-37-0

Worker Professional: 0.5 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 3.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

#### PNEC Exposure Limit Values

##### 2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Target: Fresh Water - Value: 0.635 mg/l

Target: Marine water - Value: 0.0635 mg/l

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Freshwater sediments - Value: 3.29 mg/kg

Target: Marine water sediments - Value: 0.329 mg/kg

Target: Soil (agricultural) - Value: 0.29 mg/kg

Target: PNEC intermittent - Value: 6.35 mg/l

##### 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate - CAS: 101-68-8

Target: Fresh Water - Value: 1 mg/l

Target: Marine water - Value: 1 mg/l

Target: Marine water sediments - Value: 0.1 mg/l

Target: Microorganisms in sewage treatments - Value: 1 mg/l

Target: Soil (agricultural) - Value: 1 mg/kg

##### BUTYLHYDROXYTOLUENE - CAS: 128-37-0

Target: Marine water - Value: 0.0199 µg/l

Target: Fresh Water - Value: 0.199 µg/l

Target: Freshwater sediments - Value: 99.6 mg/kg

Target: Marine water sediments - Value: 9.96 mg/kg

Target: Soil (agricultural) - Value: 47.69 µg/l

Target: Water (intermittent discharge) - Value: 1.99 µg/l - Notes: fresh water

#### Biological Exposure Index

N.A.

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#### 8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

NBR (nitrile rubber).

Butyl caoutchouc (butyl rubber).

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

Other conditions affecting workers exposure:

None

## SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Black	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	Flam. Liq. 2, H225	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point (°C):	19	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	<= 14 mm2/sec (40 °C)	--	--

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Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	0.92-0.97@20°C	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	50-250mPa.s@25°C	--	--

Volatile Organic compounds - VOCs = 695 g/l

N.A. = not available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

AEROGLAZE Z307 BLACK

Acute toxicity:

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Route: Skin = 4016.64  
ATEmix - Oral 23415,9 mg/kg bw  
ATEmix - Dermal 5435,02 mg/kg bw  
ATEmix - Inhalation (Vapours) 39,3597 mg/l  
Route: Inhalation = 28.949  
ATEmix - Oral 23415,9 mg/kg bw  
ATEmix - Dermal 5435,02 mg/kg bw  
ATEmix - Inhalation (Vapours) 39,3597 mg/l

#### Toxicological information of the main substances found in the product:

toluene - CAS: 108-88-3

##### Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Reaction mass of xylene and ethylbenzen

##### Acute toxicity:

Test: LD50 - Route: Oral > 2000 - Notes: XYLENE

Test: LD50 - Route: Skin > 1000 - Notes: XYLENE

##### STOT-repeated exposure:

Test: C - Route: Oral > 50 mg/kg bw/day - Duration: 90 Jours - Notes: XYLENE

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

##### Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 10.8 mg/l

Test: LC50 - Route: Skin - Species: Rabbit > 5000 mg/kg

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

##### Acute toxicity:

Test: ATE - Route: Inhalation Vapour = 11 mg/l - Source: Reg. (EC) No. 1272/2008

ATE - Inhalation (Vapours) 11 mg/l

1-(3-methoxypropoxy)propyl acetate - CAS: 88917-22-0

##### Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate - CAS: 101-68-8

##### Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 9400 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat = 0.368 mg/l - Duration: 4h

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

##### Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 6000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

##### Reproductive toxicity:

Test: NOAEL - Route: Oral = 100 mg/kg bw/day

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mesitylene; 1,3,5-trimethylbenzene - CAS: 108-67-8

Acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Oral - Species: Rat < 5000 mg/kg

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

Acute toxicity;

Skin corrosion/irritation;

Serious eye damage/irritation;

Respiratory or skin sensitisation;

Germ cell mutagenicity;

Carcinogenicity;

Reproductive toxicity;

STOT-single exposure;

STOT-repeated exposure;

Aspiration hazard.

#### 11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other toxicological information:

4-methylpentan-2-one; isobutyl methyl ketone

Skin corrosion/skin irritation:

Causes skin irritation.

---

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

toluene - CAS: 108-88-3

a) Aquatic acute toxicity:

Endpoint: LL50

- Species: Fish > 1 mg/l - Notes: LL/EL/IL50

Endpoint: LL50

- Species: Daphnia > 1 mg/l - Notes: LL/EL/IL50

Endpoint: LL50

- Species: Algae > 1 mg/l - Notes: LL/EL/IL50

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 1 mg/l

c) Bacteria toxicity:

Endpoint: LL50

- Species: bacteria > 100 mg/l - Notes: LL/EL/IL50

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

a) Aquatic acute toxicity:

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Endpoint: EC50 - Species: Algae > 1000 mg/l

Endpoint: LC50 - Species: Fish = 134 mg/l

Endpoint: EC50 - Species: Daphnia = 408 mg/l

#### b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 47.5 mg/l - Duration h: 336 - Notes: Oryzias latipes

Endpoint: NOEC - Species: Daphnia > 100 mg/l - Duration h: 504

1-(3-methoxypropoxy)propyl acetate - CAS: 88917-22-0

#### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia > 2701 mg/l - Duration h: 48

Endpoint: LC50 - Species: Algae > 1000 mg/l - Duration h: 72

4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate - CAS: 101-68-8

#### a) Aquatic acute toxicity:

Endpoint: EC50 - Species: bacteria > 100 mg/l - Duration h: 3

#### d) Terrestrial toxicity:

Endpoint: NOEC > 1000 mg/l - Duration h: 336

#### e) Plant toxicity:

Endpoint: NOEC > 1000 mg/l - Duration h: 336

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

#### a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.199 mg/l

Endpoint: EC50 - Species: Algae = 0.758 mg/l

Endpoint: EC50 - Species: Daphnia = 480 mg/l

Endpoint: NOEC - Species: Daphnia = 150 mg/l

mesitylene; 1,3,5-trimethylbenzene - CAS: 108-67-8

#### a) Aquatic acute toxicity:

Endpoint: LL50

- Species: Fish > 1 mg/l - Notes: LL/EL/IL50

Endpoint: LL50

- Species: Daphnia > 1 mg/l - Notes: LL/EL/IL50

Endpoint: LL50

- Species: Algae > 1 mg/l - Notes: LL/EL/IL50

#### b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 1 mg/l

#### c) Bacteria toxicity:

Endpoint: LL50

- Species: bacteria > 100 mg/l - Notes: LL/EL/IL50

### 12.2. Persistence and degradability

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

Biodegradability: Non-readily biodegradable

### 12.3. Bioaccumulative potential

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

BCF 598

Log Pow 5.2

### 12.4. Mobility in soil

N.A.

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### AEROGLAZE Z307 BLACK - P16113

#### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

#### 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

#### 12.7. Other adverse effects

No harmful effects expected.

---

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

08 01 11\* wastes of paint and varnish containing organic solvents or other dangerous substances

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## SECTION 14: Transport information



### 14.1. UN number or ID number

ADR-UN Number:	1263
ADR/RID/ADN-UN Number:	1263
ADR/RID-UN Number:	1263
ADR/ADN-UN Number:	1263
IATA-UN Number:	1263
IMDG-UN Number:	1263

### 14.2. UN proper shipping name

ADR-Shipping Name:	PAINT
ADR/RID-Shipping Name:	PAINT
ADR/ADN-Shipping Name:	PAINT
ADR/RID/ADN-Shipping Name:	PAINT
IATA-Shipping Name:	PAINT
IMDG-Shipping Name:	PAINT

### 14.3. Transport hazard class(es)

ADR-Class:	3
ADR/RID-Class:	3
ADR/ADN-Class:	3
ADR/RID/ADN-Class:	3
ADR - Hazard identification number:	33
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3

### 14.4. Packing group

ADR-Packing Group:	II
ADR/RID-Packing Group:	II
ADR/ADN-Packing Group:	II
ADR/RID/ADN-Packing Group:	II
IATA-Packing group:	II



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IMDG-Packing group: II

#### 14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

IMDG-EmS: F-E , S-E

#### 14.6. Special precautions for user

ADR-Subsidiary hazards: -

ADR-S.P.: 163 367 640C 650

ADR-Transport category (Tunnel restriction code): 2 (D/E)

IATA-Passenger Aircraft: 353

IATA-Subsidiary hazards: -

IATA-Cargo Aircraft: 364

IATA-S.P.: A3 A72 A192

IATA-ERG: 3L

IMDG-Subsidiary hazards: -

IMDG-Stowage and handling: Category B

IMDG-Segregation: -

Q.L.: 5L

Q.L.: 5L

Q.L.: 1L

Q.L.: 1L

Q.L.: 5 L

Q.L.: 1L

Q.L.: 5L

Q.L.: 5L

Q.L.: 1Kg

Q.E.: E2

Q.E.: E2

Q.E.: E2

Q.E.: E1

Q.E.: E1

Q.E.: E2

Q.E.: E1

Q.E.: E1

Q.E.: E2

#### 14.7. Maritime transport in bulk according to IMO instruments

N.A.

## SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))**  
**AEROGLAZE Z307 BLACK - P16113**

Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
Regulation (EU) n. 2016/918 (ATP 8 CLP)  
Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
Regulation (EU) n. 2017/776 (ATP 10 CLP)  
Regulation (EU) n. 2018/669 (ATP 11 CLP)  
Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2019/521 (ATP 12 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
Regulation (EU) n. 2021/643 (ATP 16 CLP)  
Regulation (EU) n. 2021/849 (ATP 17 CLP)  
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 5

Restriction 28

Restriction 29

Restriction 48

Restriction 56

Restriction 72

Restriction 74

Restriction 75

Listed or in compliance with the following international inventories:

Labelling of detergents (EC Regulations 648/2004 and 907/2006):

N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

N.A.

N.A.

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Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c

#### 15.2. Chemical safety assessment

No

---

## SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.

H361d Suspected of damaging the unborn child.

H304 May be fatal if swallowed and enters airways.

H373 May cause damage to organs through prolonged or repeated exposure.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

EUH066 Repeated exposure may cause skin dryness or cracking.

H302 Harmful if swallowed.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

H330 Fatal if inhaled.

H350 May cause cancer.

H340 May cause genetic defects.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

**Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))**  
**AEROGLAZE Z307 BLACK - P16113**

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Resp. Sens. 1	3.4.1/1	Respiratory Sensitisation, Category 1
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Muta. 1B	3.5/1B	Germ cell mutagenicity, Category 1B
Carc. 1A	3.6/1A	Carcinogenicity, Category 1A
Carc. 2	3.6/2	Carcinogenicity, Category 2
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC)

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1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 2, H225	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Resp. Sens. 1, H334	Calculation method
Carc. 2, H351	Calculation method
Repr. 2, H361	Calculation method
STOT SE 3, H335	Calculation method
STOT SE 3, H336	Calculation method
STOT RE 2, H373	Calculation method
Asp. Tox. 1, H304	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

## Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))

### AEROGLAZE Z307 BLACK - P16113

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.