

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2019

Version number 5

Revision: 03.06.2019

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

### 1.1 Product identifier

Trade name: **Super Glue Activator**

Article number: 87563

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

No further relevant information available.

Application of the substance / the mixture

Activator

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

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH  
Lechstrasse 28  
D 90451 Nürnberg

Tel. +49(0)911-642960  
Fax. +49(0)911-644456  
e-mail info@akemi.de

Further information obtainable from:

Laboratory

### 1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH  
Tel. +49(0)911-64296-59  
Reachable during the following office hours:  
Monday – Thursday from 07:30 a.m. to 16:30 p.m.  
Friday from 07:30 a.m. to 13:30 p.m.  
+44 (171) 635 91 91  
National Poison Inform. Centre  
Medical Toxicology Unit  
Avalonley Road  
London SE14 5ER

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.  
STOT SE 3 H336 May cause drowsiness or dizziness.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02 GHS07

Signal word

Danger

Hazard-determining components of labelling:

acetone

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

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- Precautionary statements
  - P101 If medical advice is needed, have product container or label at hand.
  - P102 Keep out of reach of children.
  - P103 Read label before use.
  - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P211 Do not spray on an open flame or other ignition source.
  - P251 Do not pierce or burn, even after use.
  - P261 Avoid breathing spray.
  - P271 Use only outdoors or in a well-ventilated area.
  - P280 Wear eye protection / face protection.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P337+P313 If eye irritation persists: Get medical advice/attention.
  - P405 Store locked up.
  - P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Additional information: EUH066 Repeated exposure may cause skin dryness or cracking. Buildup of explosive mixtures possible without sufficient ventilation.
- **2.3 Other hazards**
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures**

- Description: Mixture: consisting of the following components.

Dangerous components:

CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether ⚠ Flam. Gas 1, H220; Flam. Liq. 1, H224 Press. Gas (Comp.), H280	50-100%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 99-97-8 EINECS: 202-805-4 Index number: 612-056-00-9	N,N-dimethyl-p-toluidine ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 ⚠ STOT RE 2, H373 Aquatic Chronic 3, H412	<1%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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- After swallowing: If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** Headache  
Dizziness
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- **5.2 Special hazards arising from the substance or mixture** Formation of toxic gases is possible during heating or in case of fire.  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- Protective equipment: Wear self-contained respiratory protective device.  
Wear fully protective suit.
- Additional information Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** Use respiratory protective device against the effects of fumes/dust/aerosol.  
Keep away from ignition sources.  
Ensure adequate ventilation  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.  
Pick up mechanically.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** Use only in well ventilated areas.  
Avoid splashes or spray in enclosed areas.  
Use solvent-proof equipment.  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.

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· Information about fire - and explosion protection:

Open and handle receptacle with care.

Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**

· Storage:

· Requirements to be met by storerooms and receptacles:

Provide solvent resistant, sealed floor.  
Store only in the original receptacle.  
Store in a cool location.  
Observe official regulations on storing packagings with pressurised containers.

· Information about storage in one common storage facility:

Store away from foodstuffs.  
Store away from flammable substances.  
Store away from oxidising agents.

· Further information about storage conditions:

Protect from frost.  
Keep container tightly sealed.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

· Storage class:

2 B

· **7.3 Specific end use(s)**

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities:

No further data; see item 7.

· **8.1 Control parameters**

· Ingredients with limit values that require monitoring at the workplace:

**115-10-6 dimethyl ether**

WEL Short-term value: 958 mg/m<sup>3</sup>, 500 ppm  
Long-term value: 766 mg/m<sup>3</sup>, 400 ppm

**67-64-1 acetone**

WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm  
Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm

· DNELs

**115-10-6 dimethyl ether**

Inhalative	DNEL (Langzeit-wiederholt)	1,894 mg/m <sup>3</sup> Air (ARB)
		471 mg/m <sup>3</sup> Air (BEV)

**67-64-1 acetone**

Oral	DNEL (Langzeit-wiederholt)	62 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	186 mg/kg bw/day (ARB)
		62 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	2,420 mg/m <sup>3</sup> Air (ARB)
	DNEL (Langzeit-wiederholt)	1,210-2,420 mg/m <sup>3</sup> Air (ARB)
		200 mg/m <sup>3</sup> Air (BEV)

**99-97-8 N,N-dimethyl-p-toluidine**

Oral	DNEL (Langzeit-wiederholt)	0.174 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	0.694 mg/kg bw/day (ARB)

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Inhalative	DNEL (Langzeit-wiederholt)	0.347 mg/kg bw/day (BEV) 1,224 mg/m³ Air (ARB) 0.302 mg/m³ Air (BEV)
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· PNECs**115-10-6 dimethyl ether**

PNEC (wässrig)	160 mg/l (KA) 0.016 mg/l (MW) 0.155 mg/l (SW)
PNEC (fest)	0.045 mg/kg Trockengew (BO) 0.0681 mg/kg Trockengew (MWS) 0.681 mg/kg Trockengew (SWS)

**67-64-1 acetone**

PNEC (wässrig)	100 mg/l (KA) 1.06 mg/l (MW) 10.6 mg/l (SW) 21 mg/l (WAS)
PNEC (fest)	29.5 mg/kg Trockengew (BO) 3.04 mg/kg Trockengew (MWS) 30.4 mg/kg Trockengew (SWS)

**99-97-8 N,N-dimethyl-p-toluidine**

PNEC (wässrig)	4,286 mg/l (KA) 0.015 mg/l (MW) 0.153 mg/l (SW)
PNEC (fest)	18.68 mg/kg Trockengew (BO) 45,378 mg/kg Trockengew (MWS) 45,378 mg/kg Trockengew (SWS)

· Additional information: The lists valid during the making were used as basis.· **8.2 Exposure controls**· Personal protective equipment:· General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.

· Respiratory protection:

Short term filter device:  
Filter AX

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- For the permanent contact gloves made of the following materials are suitable: Butyl rubber, BR
- As protection from splashes gloves made of the following materials are suitable: Butyl rubber, BR
- Not suitable are gloves made of the following materials: Strong material gloves  
Leather gloves
- Eye protection:  Tightly sealed goggles
- Body protection: Solvent resistant protective clothing

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**• General Information• Appearance:

Form: Aerosol

Colour: Clear

• Odour: Acetone-like• Odour threshold: Not determined.• pH-value: Not determined.• Change in conditionMelting point/freezing point: Undetermined.Initial boiling point and boiling range: Not applicable, as aerosol.• Flash point: Not applicable, as aerosol.• Flammability (solid, gas): Not applicable.• Ignition temperature: 235 °C• Decomposition temperature: Not determined.• Auto-ignition temperature: Product is not selfigniting.• Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.• Explosion limits:Lower: 2.6 Vol %Upper: 18.6 Vol %• Vapour pressure at 20 °C: 5,200 hPa• Density at 20 °C: 0.7 g/cm<sup>3</sup>• Relative density Not determined.• Vapour density Not determined.• Evaporation rate Not applicable.• Solubility in / Miscibility withwater: Not miscible or difficult to mix.• Partition coefficient: n-octanol/water: Not determined.• Viscosity:Dynamic: Not determined.

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Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	99.8 %
· <b>9.2 Other information</b>	No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
  - Forms explosive gas mixture with air.
  - Forms explosive gases/fumes.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
  - Flammable gases/vapours
  - Carbon monoxide and carbon dioxide

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

**ATE (Acute Toxicity Estimates)**

Oral	LD50	73,158 mg/kg (mouse)
Inhalative	LC50/4 h	737 mg/l (rat)

**115-10-6 dimethyl ether**

Inhalative	LC50/4h	164,000 mg/m3 (rat)
	LC50/4 h	308 mg/l (rat)
	LC50/48h	>4,000 mg/l (daphnia magna)

**67-64-1 acetone**

Oral	LD50	5,800 mg/kg (rat) (OECD 401)
	NOEL	900 mg/kg (rat)
Dermal	LD50	15,688 mg/kg (rat)
		>15,800 mg/kg (rbt)
Inhalative	LC50/4 h	76 mg/l (rat)
	NOAEL	22,500 mg/m <sup>3</sup> (rat)
	LC50/48h	8,450 mg/l (cru)
		2,262 mg/l (daphnia magna)

**99-97-8 N,N-dimethyl-p-toluidine**

Oral	LD50	139 mg/kg (mouse)
		1,767 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4h	1,400 mg/m3 (rat)
	LC50/4 h	1.4 mg/l (rat)

- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Causes serious eye irritation.

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- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure May cause drowsiness or dizziness.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information****· 12.1 Toxicity****· Aquatic toxicity:****115-10-6 dimethyl ether**

EC50/96h	154.9 mg/l (green alge) >4,000 mg/l (poecilia reticulata) 154.917 mg/l (Pseudokirchneriella subcapitata)
EC50/48h	>4,000 mg/l (daphnia magna)
LC50/96h	>4,000 mg/l (poecilia reticulata)

**67-64-1 acetone**

EC50/96h	7,200 mg/l (green alge) 8,300 mg/l (piscis) 8,300 mg/l (lepomis macrochirus) 7,500 mg/l (selenastrum capricornutum)
EC50	1,700 mg/l (bacteria)
LC50	6,368 mg/l (piscis)
EC5/16h	1,700 mg/l (pseudomonas putida)
EC5/72h	28 mg/l (Entosiphon sulcatum)
EC5/8d	530 mg/l (Microcystis aeruginosa)
IC5/8d	7,500 mg/l (Scenedesmus quadricauda)
EC50/48h	3,400 mg/l (green alge) 8,800 mg/l (daphnia magna)
NOEC	1,700 mg/kg (pseudomonas putida) 4,740 mg/kg (selenastrum capricornutum)
NOELR/28d	2,212 mg/l (daphnia magna)
EC50/48h	12,600 mg/l (Danio rerio.) 6,100 mg/l (daphnia magna)
LC50/96h	8,300 mg/l (lem) 8,300 mg/l (lepomis macrochirus) 7,500 mg/l (Leuciscus idus) 5,540 mg/l (Oncorhynchus mykiss) 8,120 mg/l (Pimephales promelas)

**99-97-8 N,N-dimethyl-p-toluidine**

LC50/96h	46-52 mg/l (piscis)
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**· 12.2 Persistence and degradability**

No further relevant information available.

**· 12.3 Bioaccumulative potential**

No further relevant information available.

**· 12.4 Mobility in soil**

No further relevant information available.

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- Additional ecological information:
- General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- PBT: Not applicable.
- vPvB: Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- European waste catalogue

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
16 05 04*	gases in pressure containers (including halons) containing hazardous substances
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of or contaminated by hazardous substances

- Uncleaned packaging:
- Recommendation: Non contaminated packagings may be recycled.  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.  
Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- **14.1 UN-Number**
- ADR, IMDG, IATA UN1950
- **14.2 UN proper shipping name**
- ADR 1950 AEROSOLS
- IMDG AEROSOLS
- IATA AEROSOLS, flammable

- **14.3 Transport hazard class(es)**

- ADR



- Class 2.5F Gases.
- Label 2.1

- IMDG, IATA



- Class 2.1
- Label 2.1

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<ul style="list-style-type: none"> <li>• <b>14.4 Packing group</b></li> <li>• ADR, IMDG, IATA</li> </ul>	Void
<ul style="list-style-type: none"> <li>• <b>14.5 Environmental hazards:</b></li> <li>• Marine pollutant:</li> </ul>	No
<ul style="list-style-type: none"> <li>• <b>14.6 Special precautions for user</b></li> <li>• Danger code (Kemler):</li> <li>• EMS Number:</li> <li>• Stowage Code</li> <li>• Segregation Code</li> </ul>	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
<ul style="list-style-type: none"> <li>• <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b></li> </ul>	Not applicable.
<ul style="list-style-type: none"> <li>• Transport/Additional information:</li> </ul>	
<ul style="list-style-type: none"> <li>• ADR</li> <li>• Limited quantities (LQ)</li> <li>• Excepted quantities (EQ)</li> <li>• Transport category</li> <li>• Tunnel restriction code</li> </ul>	1L Code: E0 Not permitted as Excepted Quantity 2 D
<ul style="list-style-type: none"> <li>• IMDG</li> <li>• Limited quantities (LQ)</li> <li>• Excepted quantities (EQ)</li> </ul>	1L Code: E0 Not permitted as Excepted Quantity
<ul style="list-style-type: none"> <li>• UN "Model Regulation":</li> </ul>	UN 1950 AEROSOLS, 2.1

### SECTION 15: Regulatory information

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

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I
  - None of the ingredients is listed.
- Seveso category
  - P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements
  - 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements
  - 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII
  - Conditions of restriction: 3

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- National regulations:
- Information about limitation of use: Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.
- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- VOC EU 701.6 g/l
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  - H220 Extremely flammable gas.
  - H224 Extremely flammable liquid and vapour.
  - H225 Highly flammable liquid and vapour.
  - H280 Contains gas under pressure; may explode if heated.
  - H301 Toxic if swallowed.
  - H311 Toxic in contact with skin.
  - H319 Causes serious eye irritation.
  - H331 Toxic if inhaled.
  - H336 May cause drowsiness or dizziness.
  - H373 May cause damage to organs through prolonged or repeated exposure.
  - H412 Harmful to aquatic life with long lasting effects.
- Department issuing SDS: Laboratory
- Contact: Dieter Zimmermann
- Abbreviations and acronyms:
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - DNEL: Derived No-Effect Level (REACH)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Gas 1: Flammable gases – Category 1
  - Aerosol 1: Aerosols – Category 1
  - Press. Gas (Comp.): Gases under pressure – Compressed gas
  - Flam. Liq. 1: Flammable liquids – Category 1
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Acute Tox. 3: Acute toxicity – Category 3
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
  - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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