



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

**1.1 Product identifier**

**Spray adhesive**  
**Article number 13 90 05**

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

**1.2.1 Relevant uses**

Adhesive

**1.2.2 Uses advised against**

None known.

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

**Company** ITW Test & Measurement GmbH  
In der Steele 2  
40599 Düsseldorf / GERMANY  
Phone 0800 707 6273  
Fax 0800 707 6274  
Homepage [www.buehler-met.de](http://www.buehler-met.de)  
E-mail [info.uk@buehler.com](mailto:info.uk@buehler.com)

**Address enquiries to**

**Technical information** [info.uk@buehler.com](mailto:info.uk@buehler.com)

**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)

**1.4 Emergency telephone number**

**Company** 0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100



**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Aerosol 1: H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated.  
Eye Irrit. 2: H319 Causes serious eye irritation.  
Skin Irrit. 2: H315 Causes skin irritation.  
STOT SE 3: H336 May cause drowsiness or dizziness.  
Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects.  
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.



## 2.2 Label elements

	The product is classified and required to be labelled in accordance with EC-Directives	
<b>Hazard pictograms</b>		
<b>Signal word</b>	DANGER	
<b>Contains:</b>	Naphtha (petroleum), hydrodesulfurized light, dearomatized Acetone	
<b>Hazard statements</b>	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H319 Causes serious eye irritation. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.	
<b>Precautionary statements</b>	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. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122°F. P261 Avoid breathing vapours / spray. P280 Wear protective gloves / eye protection / face protection. P312 Call a POISON CENTER / doctor if you feel unwell. 11 % of the mixture consists of ingredient(s) of unknown toxicity. Contains 19 % of components with unknown hazards to the aquatic environment.	

## 2.3 Other hazards

<b>Physico-chemical hazards</b>	Risk of bursting.
<b>Environmental hazards</b>	Does not contain any PBT or vPvB substances.
<b>Other hazards</b>	Further hazards were not determined with the current level of knowledge.



### SECTION 3: Composition / Information on ingredients

#### Product-type:

The product is a mixture.

Range [%]	Substance
25 - 35	Acetone
	CAS: 67-64-1, EINECS/ELINCS: 200-662-2, EU-INDEX: 606-001-00-8
	GHS/CLP: Flam. Liq. 2: H225 - Eye Irrit. 2: H319 - STOT SE 3: H336
10 - 20	Propane
	CAS: 74-98-6, EINECS/ELINCS: 200-827-9, EU-INDEX: 601-003-00-5
	GHS/CLP: Flam. Gas 1: H220 - Press. Gas (*): H280
10 - 20	Butane
	CAS: 106-97-8, EINECS/ELINCS: 203-448-7, EU-INDEX: 601-004-00-0, Reg-No.: 01-2119474691-32-XXXX
	GHS/CLP: Flam. Gas 1: H220 - Press. Gas (*): H280
7 - 13	Naphtha (petroleum), hydrodesulfurized light, dearomatized
	CAS: 92045-53-9, EINECS/ELINCS: 295-434-2, EU-INDEX: 649-383-00-1
	GHS/CLP: Flam. Liq. 2: H225 - Skin Irrit. 2: H315 - Asp. Tox. 1: H304 - STOT SE 3: H336
5 - 10	iso-Butane
	CAS: 75-28-5, EINECS/ELINCS: 200-857-2, EU-INDEX: 601-004-00-0
	GHS/CLP: Flam. Gas 1: H220 - Press. Gas (*): H280
5 - 10	Naphtha (petroleum), hydrotreated light
	CAS: 64742-49-0, EINECS/ELINCS: 265-151-9, EU-INDEX: 649-328-00-1
	GHS/CLP: Flam. Liq. 2: H225 - Asp. Tox. 1: H304 - Skin Irrit. 2: H315 - STOT SE 3: H336
1 - 5	Pentane
	CAS: 109-66-0, EINECS/ELINCS: 203-692-4, EU-INDEX: 601-006-00-1
	GHS/CLP: Flam. Liq. 1: H224 - Asp. Tox. 1: H304 - STOT SE 3: H336 - Aquatic Chronic 2: H411
0,5 - 1,5	Isopentane
	CAS: 78-78-4, EINECS/ELINCS: 201-142-8, EU-INDEX: 601-006-00-1
	GHS/CLP: Flam. Liq. 1: H224 - Asp. Tox. 1: H304 - STOT SE 3: H336 - Aquatic Chronic 2: H411
< 1	n-Hexane
	CAS: 110-54-3, EINECS/ELINCS: 203-777-6, EU-INDEX: 601-037-00-0
	GHS/CLP: Flam. Liq. 2: H225 - Repr. 2: H361f - Asp. Tox. 1: H304 - STOT RE 2: H373 - Skin Irrit. 2: H315 - STOT SE 3: H336 - Aquatic Chronic 2: H411
< 0,5	Cyclohexane
	CAS: 110-82-7, EINECS/ELINCS: 203-806-2, EU-INDEX: 601-017-00-1
	GHS/CLP: Flam. Liq. 2: H225 - Asp. Tox. 1: H304 - Skin Irrit. 2: H315 - STOT SE 3: H336 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410

#### Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.  
For full text of H-statements: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Take off contaminated clothing and wash before reuse.

##### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

##### Skin contact

In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

##### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

##### Ingestion

Consult a doctor immediately.



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

Headache  
Drowsiness  
Vertigo

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

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media      Carbon dioxide.  
Water spray jet.  
Dry powder.  
Foam.

Extinguishing media that must not  
be used      Full water jet.

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

Risk of formation of toxic pyrolysis products.  
Bursting aerosols can be forcibly projected from a fire.

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

### SECTION 6: Accidental release measures

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

Keep away from all sources of ignition.  
Ensure adequate ventilation.  
Use personal protective equipment.

#### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Take up mechanically.  
Take up residues with absorbent material (e.g. sand).  
Dispose of absorbed material in accordance within the regulations.

#### 6.4 Reference to other sections

See SECTION 8+13

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Use solvent-resistant equipment.  
Use only in well-ventilated areas.  
Keep away from open flames, hot surfaces and sources of ignition.  
Vapours can form an explosive mixture with air.  
Do not eat, drink, smoke or take drugs at work.  
Wash hands before breaks and after work.  
Use barrier skin cream.  
Take off contaminated clothing and wash before reuse.



## 7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.

Do not store together with oxidizing agents.

Do not store together with food and animal food/diet.

Keep container in a well-ventilated place.

Protect from heat/overheating.

Keep in a cool place, heat causes increase in pressure and risk of bursting.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.

## 7.3 Specific end use(s)

See product use, SECTION 1.2


**SECTION 8: Exposure controls / personal protection**
**8.1 Control parameters**
**Ingredients with occupational exposure limits to be monitored (GB)**

Range [%]	Substance
7 - 13	Naphtha (petroleum), hydrodesulfurized light, dearomatized
	CAS: 92045-53-9, EINECS/ELINCS: 295-434-2, EU-INDEX: 649-383-00-1
	Long-term exposure: 1200 mg/m <sup>3</sup>
5 - 10	Naphtha (petroleum), hydrotreated light
	CAS: 64742-49-0, EINECS/ELINCS: 265-151-9, EU-INDEX: 649-328-00-1
	Long-term exposure: 1200 mg/m <sup>3</sup>
5 - 10	iso-Butane
	CAS: 75-28-5, EINECS/ELINCS: 200-857-2, EU-INDEX: 601-004-00-0
	Long-term exposure: 600 ppm, 1450 mg/m <sup>3</sup> , (Butane)
	Short-term exposure (15-minute): 750 ppm, 1810 mg/m <sup>3</sup>
25 - 35	Acetone
	CAS: 67-64-1, EINECS/ELINCS: 200-662-2, EU-INDEX: 606-001-00-8
	Long-term exposure: 500 ppm, 1210 mg/m <sup>3</sup>
	Short-term exposure (15-minute): 1500 ppm, 3620 mg/m <sup>3</sup>
10 - 20	Butane
	CAS: 106-97-8, EINECS/ELINCS: 203-448-7, EU-INDEX: 601-004-00-0, Reg-No.: 01-2119474691-32-XXXX
	Long-term exposure: 600 ppm, 1450 mg/m <sup>3</sup>
	Short-term exposure (15-minute): 750 ppm, 1810 mg/m <sup>3</sup>
1 - 5	Pentane
	CAS: 109-66-0, EINECS/ELINCS: 203-692-4, EU-INDEX: 601-006-00-1
	Long-term exposure: 600 ppm, 1800 mg/m <sup>3</sup>
0,5 - 1,5	Isopentane
	CAS: 78-78-4, EINECS/ELINCS: 201-142-8, EU-INDEX: 601-006-00-1
	Long-term exposure: 600 ppm, 1800 mg/m <sup>3</sup>
< 1	n-Hexane
	CAS: 110-54-3, EINECS/ELINCS: 203-777-6, EU-INDEX: 601-037-00-0
	Long-term exposure: 20 ppm, 72 mg/m <sup>3</sup>
< 0,5	Cyclohexane
	CAS: 110-82-7, EINECS/ELINCS: 203-806-2, EU-INDEX: 601-017-00-1
	Long-term exposure: 100 ppm, 350 mg/m <sup>3</sup>
	Short-term exposure (15-minute): 300 ppm, 1050 mg/m <sup>3</sup>

**Ingredients with occupational exposure limits to be monitored (EU)**

Range [%]	Substance / EC LIMIT VALUES
25 - 35	Acetone
	CAS: 67-64-1, EINECS/ELINCS: 200-662-2, EU-INDEX: 606-001-00-8
	Eight hours: 500 ppm, 1210 mg/m <sup>3</sup>
1 - 5	Pentane
	CAS: 109-66-0, EINECS/ELINCS: 203-692-4, EU-INDEX: 601-006-00-1
	Eight hours: 1000 ppm, 3000 mg/m <sup>3</sup>
0,5 - 1,5	Isopentane
	CAS: 78-78-4, EINECS/ELINCS: 201-142-8, EU-INDEX: 601-006-00-1
	Eight hours: 1000 ppm, 3000 mg/m <sup>3</sup>
< 1	n-Hexane



CAS: 110-54-3, EINECS/ELINCS: 203-777-6, EU-INDEX: 601-037-00-0

Eight hours: 20 ppm, 72 mg/m<sup>3</sup>

&lt; 0,5 Cyclohexane

CAS: 110-82-7, EINECS/ELINCS: 203-806-2, EU-INDEX: 601-017-00-1

Eight hours: 200 ppm, 700 mg/m<sup>3</sup>

## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation.
<b>Eye protection</b>	Safety glasses.
<b>Hand protection</b>	Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information. Nitrile rubber, >480 min (EN 374).
<b>Skin protection</b>	Solvent-resistant protective clothing.
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, combination filter A-P2.
<b>Thermal hazards</b>	none
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	aerosol
<b>Color</b>	clear
<b>Odor</b>	characteristic
<b>Odour threshold</b>	No information available.
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	not applicable
<b>Flash point [°C]</b>	not applicable
<b>Flammability (solid, gas) [°C]</b>	yes
<b>Lower explosion limit</b>	No information available.
<b>Upper explosion limit</b>	No information available.
<b>Oxidizing properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	No information available.
<b>Density [g/ml]</b>	0,71 (20 °C / 68,0 °F)
<b>Bulk density [kg/m<sup>3</sup>]</b>	not applicable
<b>Solubility in water</b>	insoluble
<b>Partition coefficient [n-octanol/water]</b>	No information available.
<b>Viscosity</b>	not applicable
<b>Relative vapour density determined in air</b>	not applicable
<b>Evaporation speed</b>	not applicable
<b>Melting point [°C]</b>	not applicable
<b>Autoignition temperature [°C]</b>	not applicable
<b>Decomposition temperature [°C]</b>	not applicable



## 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.  
Heat causes increase in pressure and risk of bursting.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.  
Risk of bursting.

### 10.4 Conditions to avoid

See SECTION 7.2.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

Flammable gases/vapours.





## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Range [%]	Substance
25 - 35	Acetone, CAS: 67-64-1
	LD50, dermal, Rabbit: 20000 mg/kg (IUCLID).
	LD50, oral, Rat: 5800 mg/kg (IUCLID).
	LC50, inhalative, Rat: 76 mg/l (4h) (IUCLID).
10 - 20	Butane, CAS: 106-97-8
	LC50, inhalative, Rat: 658 mg/L (IUCLID).
< 0,5	Cyclohexane, CAS: 110-82-7
	LD50, oral, Rat: > 5000 mg/kg (IUCLID).
	LD50, dermal, Rabbit: > 2000 mg/kg (IUCLID).
< 1	n-Hexane, CAS: 110-54-3
	LD50, oral, mouse: 5000 mg/kg (IUCLID).
	LD50, dermal, Rabbit: 3000 mg/kg (IUCLID).
5 - 10	iso-Butane, CAS: 75-28-5
	LC50, inhalative, Rat: 570000 ppm (IUCLID).
0,5 - 1,5	Isopentane, CAS: 78-78-4
	LC50, inhalative, mouse: 450 mg/l/2h (IUCLID).
1 - 5	Pentane, CAS: 109-66-0
	LD50, dermal, Rabbit: 3000 mg/kg (IUCLID).
	LD50, oral, mouse: 5000 mg/kg (IUCLID).
	LC50, inhalative, mouse: ~ 295 mg/l 2h (IUCLID).
10 - 20	Propane, CAS: 74-98-6
	LC50, inhalative, Rat: 658 mg/L (IUCLID).
7 - 13	Naphtha (petroleum), hydrodesulfurized light, dearomatized, CAS: 92045-53-9
	LD50, oral, Rat: > 1700 mg/kg.
5 - 10	Naphtha (petroleum), hydrotreated light, CAS: 64742-49-0
	LD50, dermal, Rabbit: > 3160 mg/kg.
	LD50, oral, Rat: > 5000 mg/kg.
	LC50, inhalativ (vapour ), Rat: > 14,7 mg/l/4h.

<b>Serious eye damage/irritation</b>	Irritant
<b>Skin corrosion/irritation</b>	Irritant
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity — single exposure</b>	Vapours may cause drowsiness and dizziness.
<b>Specific target organ toxicity — repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproduction toxicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are met.
<b>General remarks</b>	

The ingredient CAS 92045-53-9 contains less than 0,1 % w/w benzene.  
 The ingredient CAS 64742-49-0 contains less than 0,1 % w/w benzene.  
 Toxicological data of complete product are not available.  
 The product was classified on the basis of the calculation procedure of the preparation directive.  
 The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The



toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

## SECTION 12: Ecological information

### 12.1 Toxicity

Range [%]	Substance
25 - 35	Acetone, CAS: 67-64-1
	LC50, (96h), Oncorhynchus mykiss: 5540 mg/l (Lit.).
	EC50, (48h), Daphnia magna: 6100 mg/l (Lit.).
< 0,5	Cyclohexane, CAS: 110-82-7
	LC50, (96h), fish: 93,0 - 117 mg/l (IUCLID).
	EC50, (48h), Daphnia magna: 3,78 mg/l (IUCLID).
< 1	n-Hexane, CAS: 110-54-3
	LC50, (96h), Pimephales promelas: 2,5 mg/l (ECOTOX).
	EC50, (48h), Daphnia magna: 2,1 mg/l (Lit.).
0,5 - 1,5	Isopentane, CAS: 78-78-4
	LC50, (96h), Oncorhynchus mykiss: 3,1 mg/l (IUCLID).
	EC50, (48h), Daphnia magna: 2,3 mg/l (IUCLID).
1 - 5	Pentane, CAS: 109-66-0
	EC50, (48h), Daphnia magna: 9,74 mg/l (IUCLID).

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	No information available.
<b>Biological degradability</b>	No information available.

### 12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

CAS 31393-98-3

### 12.6 Other adverse effects

The product was classified on the basis of the calculation procedure of the preparation directive.  
The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.



### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Coordinate disposal with the authorities if necessary.

**Waste no. (recommended)** 160504\* gases in pressure containers (including halons) containing dangerous substances  
080409\*

#### Contaminated packaging

Uncontaminated packaging may be taken for recycling.

**Waste no. (recommended)** 150110\*  
150101  
150102  
150104

### SECTION 14: Transport information

#### 14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

#### 14.2 UN proper shipping name

**Transport by land according to ADR/RID** UN 1950 AEROSOLS 2.1

- Classification Code 5F

- Label



- ADR LQ 1 I

- ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 2 (D)

**Inland navigation (ADN)** UN 1950 AEROSOLS 2.1

- Classification Code 5F

- Label



**Marine transport in accordance with IMDG** UN 1950 Aerosols 2.1 -

- EMS F-D, S-U

- Label



- IMDG LQ 1 I

**Air transport in accordance with IATA** UN 1950 Aerosols, flammable 2.1

- Label



#### 14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

**14.4 Packing group**

See SECTION 14.2 in accordance with UN shipping name

**14.5 Environmental hazards**

See SECTION 14.2 in accordance with UN shipping name

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

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

not determined

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

<b>EEC-REGULATIONS</b>	1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC; (EU) 2015/830
<b>TRANSPORT-REGULATIONS</b>	DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).
<b>NATIONAL REGULATIONS (GB):</b>	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
<b>- Observe employment restrictions for people</b>	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
<b>- VOC (1999/13/CE)</b>	90%

**15.2 Chemical safety assessment**

not applicable

**SECTION 16: Other information****16.1 Hazard statements (SECTION 3)**

H410 Very toxic to aquatic life with long lasting effects.  
 H400 Very toxic to aquatic life.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H361f Suspected of damaging fertility.  
 H411 Toxic to aquatic life with long lasting effects.  
 H224 Extremely flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H280 Contains gas under pressure; may explode if heated.  
 H220 Extremely flammable gas.  
 H336 May cause drowsiness or dizziness.  
 H319 Causes serious eye irritation.  
 H225 Highly flammable liquid and vapour.



## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 TLV@TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

### Classification procedure

Aerosol 1: H222 Extremely flammable aerosol. (Bridging principle "Aerosols") H229 Pressurised container: May burst if heated. (Bridging principle "Aerosols")  
 Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method [RL (EC) No. 1272/2008 Annex I 1.1.3.7])  
 Skin Irrit. 2: H315 Causes skin irritation. (Calculation method [RL (EC) No. 1272/2008 Annex I 1.1.3.7])  
 STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method [RL (EC) No. 1272/2008 Annex I 1.1.3.7])  
 Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects. (Calculation method)  
 Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (Bridging principle "Aerosols")



**Modified position**

SECTION 2 been added: Contains [x] % of components with unknown hazards to the aquatic environment.

SECTION 2 been added: [x] % of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 2 been added: H304 May be fatal if swallowed and enters airways.

SECTION 2 been added: Asp. Tox. 1

SECTION 4 deleted: Change soaked clothing.

SECTION 4 been added: Take off contaminated clothing and wash before reuse.

SECTION 7 been added: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.

SECTION 8 deleted: light protective clothing

SECTION 8 been added: Solvent-resistant protective clothing.

SECTION 8 been added: Nitrile rubber, >480 min (EN 374).

SECTION 9 been added: No information available.

SECTION 9 deleted: not determined

SECTION 11 been added: Based on available data, the classification criteria are met.

SECTION 11 been added: Irritant

SECTION 11 deleted: not determined

SECTION 11 been added: The ingredient [x] contains less than 0,1 % w/w benzene.

SECTION 11 deleted: not determined

SECTION 11 been added: Vapours may cause drowsiness and dizziness.

SECTION 11 been added: The ingredient [x] contains less than 0,1 % w/w benzene.

SECTION 11 been added: Based on available data, the classification criteria are not met.

SECTION 11 deleted: not determined

SECTION 11 been added: Irritant

SECTION 11 deleted: not determined

SECTION 12 been added: No information available.

SECTION 12 deleted: Based on all available information not to be classified as PBT or vPvB respectively.

SECTION 12 deleted: -

SECTION 12 been added: -

SECTION 12 deleted: not determined

SECTION 16 been added: Calculation method [RL (EC) No. 1272/2008 Annex I 1.1.3.7]

SECTION 16 been added: Calculation method

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