

# SAFETY DATA SHEET



Version 17.3 replaces Version 17.2  
Revision date: 22.08.2018  
According to (EU) No. 2015/830

## SECTION 1

### IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product identifier:** **BYCOTEST® C10 - aerosol**
- 1.2 Relevant identified uses of the mixture and uses advised against:**  
**Relevant identified uses:** Alcohol-based cleaner  
**Uses advised against:** This product is not recommended for any use other than the identified uses above.
- 1.3 Details of the supplier of the safety data sheet**  
**Manufacturer:** Magnaflux® (A Division of ITW Ltd)  
**Address:** Faraday Road, South Dorcan Industrial Estate, Swindon, UK  
**Postcode:** SN3 5HE  
**Telephone/fax number:** Telephone: +44 (0)1793 524566  
Fax: +44 (0)1793 490459  
Web: [www.eu.magnaflux.com](http://www.eu.magnaflux.com)  
**Email address of competent person responsible for SDS:** support.eu@magnaflux.com  
**National contact:** None appointed.
- 1.4 Emergency telephone number:** DURING OFFICE HOURS CALL:  
+44 (0)1793 524566 (English)  
Office hours (GMT) Monday - Thursday  
08:00 - 17:00, Friday 08:00 - 16:00.  
**Opening hours:** OUT OF OFFICE HOURS CALL:  
+44 (0)203 394 9866.

## SECTION 2

### HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**Classification according to Regulation (EC) No 1272/2008 (CLP):** **Physical and Chemical Hazard:**  
Aerosols 1 H222, H229  
**Health Hazard:**  
Eye Irrit. 2 H319  
STOT SE 3 H336  
**Environmental Hazard:**  
None  
**Additional information** None

For full text of hazard statements and EU hazard statements see SECTION 16.

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2.2

## Label Elements:

Labelling according to regulation (EC) No 1272/2008 [CLP]

## Hazard Pictograms:



## Signal Word:

Danger

## Hazard Statement(s):

H222: Extremely flammable aerosol.

H229: Pressurised container: may burst if heated.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

## Precautionary Statement(s):

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.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

## Supplementary Precautionary Statement(s):

P264: Wash thoroughly after handling  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P501: Dispose of contents/container to hazardous waste or special collection point.

## Supplementary Hazard Information (EU)

None.

## Hazard Determining Component(s)

Propan-2-ol.

2.3

## Other hazards:

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Vapours can form explosive mixtures with air.

Material can accumulate static charges which may cause an ignition. Material can release vapours that readily form flammable mixtures. Vapour accumulation could flash and / or explode if ignited.

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## SECTION 3

## COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Chemical name	CAS Number	EC number	REACH registration number	% Weight	Classification according to Regulation (EC) number 1272/2008 [CLP]	Additional Information
Propan-2-ol	67-63-0	200-661-7	01-2119457558-25	< 70	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	Has WEL
Hydrocarbons, C3-4-rich petroleum distillate petroleum gas (1,3 butadiene <0.1%)	68512-91-4	270-990-9	<sup>1</sup>	10 - 30	Press. Gas H280 Flam. Gas 1 H220	<sup>2</sup>

<sup>1</sup> Exempted from the obligation to register in accordance with art. 2(7)(a) of REACH Regulation No 1907/2006.

<sup>2</sup> Not classified as carcinogen, less than 0.1% w/w 1,3 butadiene (EINECS no 203-450-8).

*Note: Hazard statement(s) in this section apply only to raw materials, not necessarily to finished products.*

*\*See Section 16 for hazard statement(s) text in full.*

## SECTION 4

## FIRST AID MEASURES

### 4.1 Description of first aid measures:

#### General notes:

If symptoms persist, seek medical attention. Show this safety data sheet to the doctor in attendance.

#### Following inhalation:

Remove to fresh air. Keep at rest in a position comfortable for breathing. If not breathing give artificial respiration. Seek prompt medical attention if you feel unwell. Flush with water, use soap if available. Contaminated clothing should be washed before re-use.

#### Following skin contact:

#### Following 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.

#### Following ingestion:

Unlikely route of exposure. Move to fresh air. Keep warm and at rest. Drink plenty of water. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach contents doesn't enter the lungs. Never give anything by mouth to an unconscious person. Seek prompt medical attention.

#### Self-protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. If it is suspected that the mixture is still present, wear appropriate personal protective equipment.

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- 4.2 Most important symptoms, both acute and delayed:**  
May cause irritation to eyes. Symptoms may include redness and pain.  
Prolonged skin contact has a defatting effect on skin. Symptoms may include dryness and/or cracking.  
In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.  
Small amounts of the product aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema.
- 4.3 Indication of any immediate medical attention and special treatment needed:**  
If in doubt, get medical attention promptly.

## SECTION 5 FIREFIGHTING MEASURES

- 5.1 Extinguishing media:**  
**Suitable extinguishing media:** Carbon dioxide, alcohol-resistant foam, dry chemical, water fog or spray.  
**Unsuitable extinguishing media:** High pressure water jet.
- 5.2 Special hazards arising from the substance or mixture:** Evacuate immediate area. Shut off 'fuel' to fire. If possible keep unaffected containers cool with water spray.  
Aerosols may explode in a fire.  
Aerosol contents are extremely flammable.  
Vapours are heavier than air and may spread close to the ground to sources of ignition and flash back.  
**Hazardous combustion products:** Smoke, soot and oxides of carbon.  
Burning vapour may give off toxic fumes.
- 5.3 Advice for fire-fighter:**  
Warn firefighters that aerosols are involved.  
Self contained breathing apparatus and full protective clothing must be worn.  
Cool containers exposed to flames with water until well after the fire is out.  
Fire water run-off must not be allowed to contaminate ground, or enter drains, sewers or water courses.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures:**  
Suitable protective equipment (see Section 8) should be worn to prevent any contamination of skin, eyes and personal clothing.  
**For non-emergency personnel:** Remove ignition sources. Take precautionary measures against static discharge.  
Avoid breathing vapours, spray or mist.  
Ensure adequate ventilation.
- For emergency responders:** Keep unnecessary people at a safe distance.  
Remove ignition sources. Take precautionary measures against static discharge.  
Avoid breathing vapours, spray or mist.  
Ensure adequate ventilation.

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- 6.2 Environmental precautions:**  
Prevent liquid from entering drains, sewers and watercourses. Notify the Environment Agency or water authorities if a major spillage occurs.
- 6.3 Methods and material for containment and cleaning up:**  
Eliminate sources of ignition. Take measures to prevent the build-up of electrostatic charge. Ventilate well.
- For containment:** Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite). Place in a UN approved container for disposal.  
Large spills should be pumped (using an earthed explosion proof pump) into UN approved containers pending disposal. Dispose of waste according to local/national regulations.
- For cleaning up:** Pick up with suitable absorbent material. Rinse site with copious amounts of water, which should not be allowed into drains, sewers or watercourses.
- Other information:** No other information.
- 6.4 Reference to other sections:**  
For Personal Protective Equipment see Section 8. For disposal information see Section 13.

## SECTION 7

## HANDLING & STORAGE

- 7.1 Precautions for safer handling:**
- Protective Measures:** Wear suitable protective clothing such as chemical resistant gloves, apron and goggles/face mask to protect from splashes. Ensure adequate exhaust ventilation when in use. Vapours are heavier than air and may spread along floors.  
Avoid contact with skin and eyes. Do not breathe product spray or mist.
- Measures to prevent fire:** Aerosol contents are highly flammable and volatile. Keep away from sources of ignition – no smoking.  
Vapours may form explosive mixtures with air.  
Do not allow to enter drains.  
Take action to prevent static discharges. Equipment should be earthed. Use explosion proof electrical/ventilating/lighting equipment. Use only non-sparking tools.  
Wash thoroughly after handling.
- Advice on general occupational hygiene:**
- 7.2 Conditions for safe storage, including any incompatibilities:**
- Technical measures and storage conditions:** Store in a cool dry area away from heat and sources of ignition.
- Packaging materials:** Store in original container.

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**Requirements for storage rooms and vessels:**

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

Recommended storage temperature 10 °C to 30 °C.

**Further information on storage conditions:**

Rotate stock and check regularly for damaged items.

**7.3 Specific end use(s):  
Recommendations:**

Use only for Non Destructive Testing (NDT) applications.

**Industrial sector specific solutions:**

See product data sheet for further information.

## SECTION 8

## EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control parameters:**

**Occupational exposure limit values:**

Occupational exposure figures have been set for some of the components of this preparation based on GESTIS International Limit Values or manufacturers' recommendation.

Propan-2-ol			CAS No. 67-63-0		
Country	Limit value - 8 hours		Limit value - short term		NOTES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Austria	200	500	800	2000	-
Belgium	200	500	400	1000	-
Czech Republic	-	500	-	1000	-
Denmark	200	490	400	980	-
Estonia	150	350	250	600	-
Finland	200	500	250 (1)	620 (1)	-
France	-	-	400	980	-
Germany (AGS)	200	500	400 (1)	1000 (1)	-
Germany (DFG)	200	500	400	1000	-
Hungary	-	500	-	2000	-
Ireland	200	-	400 (1)	-	-
Latvia	-	350	-	600 (1)	-
Norway	100	245	-	-	-
Poland	-	900	-	1200	-
Romania	81	200	203	500	-
Spain	200	500	400	1000	-
Sweden	150	350	250 (1)	600 (1)	-
Switzerland	200	500	400	1000	-
UK	400	999	500	1250	-

Note: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure limit should be used.

**NOTES:**

Finland: (1) 15 minutes average value.

Germany (AGS): (1) 15 minutes average value.

Germany (DFG): STV 15 minutes average value.

Ireland: (1) 15 minutes reference period.

Latvia: (1) 15 minutes average value.

Sweden: (1) short-term value, 15 minutes average value.

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Data obtained from GESTIS International Limit Values, EH40, supplier's SDS, Norwegian Labour Inspection Authority Order No. 704-ENG.

## Derived No Effect Level (DNEL)

Chemical Name	End User	Exposure Route	Exposure Time	Effects	DNEL
Propan-2-ol	Worker	Inhalation	Long term	Systemic	500 mg/m <sup>3</sup>
Propan-2-ol	Worker	Dermal	Long term	Systemic	888 mg/kg/day

**Note:** The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived from toxicity data in accordance with specific guidance within the European REACH regulation. The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs may be recommended by an individual company, a government regulatory body or an expert organization, such as the Scientific Committee for Occupational Exposure Limits (SCOEL) or the American Conference of Governmental Industrial Hygienists (ACGIH). OELs are considered to be safe exposure levels for a typical worker in an occupational setting for an 8-hour work shift, 40 hour work week, as a time weighted average (TWA) or a 15 minute short-term exposure limit (STEL). While also considered to be protective of health, OELs are derived by a process different from that of REACH.

## Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration	Propan-2-ol
Water - Fresh Water	140.9 mg/l
Water - Marine Water	140.9 mg/l
Water - Intermittent release	140.9 mg/l
Sediment Fresh Water	552 mg/kg dw
Sediment Marine Water	552 mg/kg dw
Soil	28 mg/kg soil dw
Sewage Treatment Plant	2251 mg/l

### 8.2 Exposure controls:

Concentrations of product vapours and mists in the working atmosphere must be kept as low as is reasonably practicable. Exposure should be minimised by the use of appropriate containment, engineering control and ventilation measures. Where this is not possible, personal protective equipment should be worn as indicated below where appropriate.

#### Appropriate engineering controls:

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limits are not exceeded.

#### Personal protection equipment: Eye and face protection:

Safety glasses with side-shields conforming to EN166.

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<b>Skin protection - hand:</b>	Protective gloves conforming to EN374-3. Use chemical resistant gloves recommended by glove manufacturer as being suitable for alcohols, if hand exposure is unavoidable. Protective gloves made of nitrile or butyl are suitable, although other types may be more suitable in other circumstances. For prolonged exposure, recommended gloves with protective index 6, > 480 minutes permeation time according to EN374. As the product is a preparation, consult the glove manufacturer for exact breakthrough time. Glove manufacturer's directions for use should be observed.
<b>Skin protection – other:</b>	Wear impervious, flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of dangerous substance at the specific workplace.
<b>Respiratory protection:</b>	Use a respirator with appropriate canister type filter cartridge if spraying in confined or unventilated areas. Use respiratory equipment with gas filter type A2P3 (EN141). Use respirators and components tested and approved under CEN standards.
<b>Thermal hazards:</b>	Not applicable.
<b>Environmental exposure controls:</b>	Avoid any release to the environment.

## SECTION 9

## PHYSICAL & CHEMICAL PROPERTIES

<b>9.1</b>	<b>Information on basic physical and chemical properties:</b>	
	<b>Appearance:</b>	Aerosol containing mobile clear liquid.
	<b>Odour:</b>	Solvent - alcoholic.
	<b>Odour threshold:</b>	No data available.
	<b>pH:</b>	No data available.
	<b>Melting point/freezing point:</b>	-88 °C
	<b>Initial boiling point and boiling range:</b>	82 - 83 °C.
	<b>Flash point (PMCC):</b>	-40 °C (aerosol propellant).
	<b>Evaporation rate (BuAC = 100):</b>	1.5
	<b>Flammability (solid, gas) (Limits in air):</b>	No data available.
	<b>Upper/lower flammability or explosive limits:</b>	2.0 – 13% (Vol%)
	<b>Vapour pressure:</b>	4.4 kPa @ 20 °C.
	<b>Vapour density (Air = 1):</b>	> 1
	<b>Relative density:</b>	0.78 – 0.79 g/cm <sup>3</sup>
	<b>Solubility:</b>	Soluble in water.
	<b>Partition coefficient: n-octanol/water:</b>	Log Pow +0.05
	<b>Auto-ignition temperature:</b>	> 150 °C.
	<b>Decomposition temperature:</b>	No data available.
	<b>Viscosity (ASTM D445):</b>	2.43 mPa s @ 20 °C.



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**Explosive properties:**

No data available.

**Oxidising properties:**

No data available.

**Note:** properties relate to the bulk product only unless otherwise stated.

9.2

**Other information:**

No other information.

## SECTION 10

### STABILITY & REACTIVITY

- |      |  |  |
|------|--|--|
| 10.1 | <b>Reactivity:</b>                         | The following materials may react with the product: strong oxidising agents, strong acids. |
| 10.2 | <b>Chemical stability</b>                  | Stable under normal conditions of use and applications.                                    |
| 10.3 | <b>Possibility of hazardous reactions:</b> | Solvent vapours may form explosive mixtures with air.                                      |
| 10.4 | <b>Conditions to avoid:</b>                | Keep away from sources of ignition, hot surfaces and direct sun light.                     |
| 10.5 | <b>Incompatible materials:</b>             | Strong oxidising agents. Acids and alkalis.  |
| 10.6 | <b>Hazardous decomposition materials:</b>  | None under normal conditions of use. Smoke, soot and oxides of carbon on combustion.       |

## SECTION 11

### TOXICOLOGICAL INFORMATION

- |      |  |  |
|------|--|--|
| 11.1 | <b>Information on toxicological effects:</b> | based on data for component materials.   |
|      | <b>Acute toxicity - oral:</b>                | Based on the available data the classification criteria are not met.                             |
|      | <b>Acute toxicity – dermal:</b>              | Based on the available data the classification criteria are not met.                             |
|      | <b>Acute toxicity – inhalation:</b>          | Based on the available data the classification criteria are not met.                             |
|      | <b>Skin corrosion/irritation:</b>            | Based on the available data the classification criteria are not met.                             |
|      | <b>Serious eye damage/irritation:</b>        | Eye Irrit. 2 H319: Causes serious eye irritation.  |
|      | <b>Respiratory sensitisation:</b>            | Based on the available data the classification criteria are not met.                             |
|      | <b>Skin sensitisation:</b>                   | Based on the available data the classification criteria are not met.                             |
|      | <b>Germ cell mutagenicity:</b>               | Ingredients in this mixture are not classified as mutagenic according to current regulations.    |
|      | <b>Carcinogenicity:</b>                      | Ingredients in this mixture are not classified as carcinogenic according to current regulations. |
|      | <b>Reproductive toxicity:</b>                | Based on individual components, this preparation is not expected to show reproductive toxicity.  |

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**STOT single exposure:** STOT SE 3 - H336: May cause drowsiness or dizziness.  
Route of exposure: inhalation and oral.

**STOT repeated exposure:** No effects known.

**Aspiration hazard:** Based on the available data the classification criteria are not met.

## Information on likely Routes of Exposure and Potential Health Effects:

**Inhalation:** Vapour concentrations above the recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects.

**Ingestion:** Not a likely route of exposure. Ingestion may cause irritation of the mouth, throat and digestive tract. Small amounts of product aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema.

**Eye contact:** Irritating to eyes.

**Skin contact:** Frequent or prolonged contact with the product may produce irritation and/or skin dryness and cracking. No evidence of sensitisation potential.

**Toxicity Test Results:** based on data for component materials, where available.

Chemical Name	Acute Toxicity	Test	Result
Propan-2-ol	Acute Toxicity - oral	LD50 (rat)	4700 - 5800 mg/kg
Propan-2-ol	Acute Toxicity - dermal	LD50 (rabbit)	> 5000 mg/kg
Propan-2-ol	Acute Toxicity - inhalation	LC50 (rat)	>10000 ppm (6h)

**Other Information:** No other information.

## SECTION 12 ECOLOGICAL INFORMATION

Based on data for component materials

### 12.1 Toxicity:

Chemical Name	Ecotoxicity	Species	Test	Time	Result
Propan-2-ol	Fish	Leuciscus idus	LC50	48 h	> 100 mg/l
Propan-2-ol	Aquatic Invertebrates	Daphnia magna	EC50	48 h	> 100 mg/l
Propan-2-ol	Aquatic Plants	Scenedesmus subspicatus	EC50	72h	> 100 mg/l

**12.2 Persistence and degradability:** Readily biodegradable.

**12.3 Bioaccumulative potential:** This product does not contain any substances expected to be bioaccumulative.  
**Partition coefficient: n-octanol/water (log Kow):** +0.05 (propan-2-ol)  
**Bioconcentration factor (BCF):** No data available.

**12.4 Mobility in soil:** This product is soluble in water.

**12.5 Results of PBT and vPvB assessment:** This mixture does not contain any substances that are assessed to be a PBT or vPvB.

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12.6 Other adverse effects: No data available.

## SECTION 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

Dispose of waste and residues in accordance with local authority requirements. Seek the advice of an approved waste disposal contractor for disposal at a licensed facility in accordance with national legislation.

#### Product/packing disposal:

Empty containers may contain residual product and flammable vapours. Do not pierce or burn container, even after use. Keep away from sources of ignition. Do NOT remove labels.

#### Waste codes/waste designations according to LoW:

16 05 04\* gases in pressure containers containing dangerous substances

NOTE: Waste codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use. Waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste code(s).

#### Waste treatment – relevant information:

Dispose of waste and residues in accordance with local authority requirements. Seek the advice of an approved waste disposal contractor for disposal at a licensed facility in accordance with national legislation. Do not empty down the drain.

#### Sewage disposal – relevant information:

#### Other disposal recommendations:

Use a licensed waste contractor.

## SECTION 14 TRANSPORT INFORMATION

14.1	UN number:	ADR/RID: IMDG: IATA:	UN1950 UN1950 UN1950
14.2	UN proper shipping name:	ADR/RID: IMDG: IATA:	AEROSOLS, flammable AEROSOLS, flammable AEROSOLS, flammable
14.3	Transport hazard class(es):	ADR/RID: IMDG: IATA:	2.1 2.1 2.1
14.4	Packing group:	ADR/RID: IMDG: IATA:	N/A N/A N/A
14.5	Environmental hazards:	ADR/RID: IMDG: IATA:	No Marine Pollutant: No No
14.6	Special precautions for user:		
	ADR/RID – Tunnel restriction code:	(D)	
	IMDG – Ems:	F-D, S-U	
	IATA/ICAO – PAX:	203	
	IATA/ICAO – CAO:	203	

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- 14.7 **Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:**  
Not applicable.

## SECTION 15 REGULATORY INFORMATION

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

**EU Regulations:**

This data sheet complies with the requirements of Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures.

Safety data sheet as required by EU Regulations 1907/2006 and REACH Annex II Amendment (EU) No. 2015/830.

**Information according to 2013/10/EU and 2008/47/EC amendment of the aerosol directive 75/324/EEC.**

This data sheet is complied according Dir 2013/10/EU, 2008/47/EEC amendment of the aerosol directive 75/324/EEC.

**Extra label elements:** Pressured container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

**National regulations (Germany):**

**Wassergefährdungsklasse (water hazard class):**

WGK 1 – Low hazard to waters

**TechnischeAnleitungLuft (TA-Luft):**

Class 5.2.5 Organic substances, except dusts.

15.2 **Chemical safety assessment:**

No chemical safety assessment has been carried out for this mixture by the supplier.

## SECTION 16 OTHER INFORMATION

(i) **Indication of changes:**

Version 17.3 updated in Section 1.3.

Vertical lines on the left hand side indicate an amendment from the previous version.

(ii) **Abbreviations and acronyms:**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord européen relatif au transport international des marchandises Dangereuses par Route)
CAS No.	Chemical Abstracts Service number
CEN	European Committee for Standardisation
CLP	Classification, Labelling Packaging Regulation; Regulation (EC) No 1272/2008
ECHA	European Chemicals Agency
EC50	Half Maximal Effective Concentration
EC number	EINECS and ELINCS number
EINECS	European Inventory of Existing Commercial Substances
ELINCS	European List of notified Chemical Substances
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population
MPI	Magnetic Particle Inspection
NDT	Non-Destructive Testing
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic Substance

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PMCC	Pensky-Martens closed cup method
PPE	Personal Protection Equipment
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation EC (No) 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail (Reglement International concernant le transport des marchandises Dangereuses par chemin de fer)
SDS	Safety Data Sheet
STOT RE	Specific Target Organ Toxicity, Repeat Exposure
STOT SE	Specific Target Organ Toxicity, Single Exposure
TA-Luft	Technical Instructions on Air Quality Control (Technische Anleitung zur Reinhaltung der Luft)
vPvB	Very Persistent and Very Bioaccumulative
WEL	Workplace Exposure Limit
WGK	German Water Hazard Class (Wassergefährdungsklasse)

**(iii) Key literature and sources of data:**

- Supplier's safety data sheets for components listed in Section 3.
- European Chemicals Agency, <http://echa.europa.eu/>
- GESTIS International Limit Values Database, [http://limitvalue.ifa.dguv.de/Webform\\_gw.aspx](http://limitvalue.ifa.dguv.de/Webform_gw.aspx)
- Occupational Exposure Limits EH40/2005.
- Commission regulation (EU) No. 2015/830.
- Control of Substances Hazardous to Health Regulations 2002.
- Hazardous waste regulations 2005.
- Health & Safety at Work Act 1974.
- Regulation (EC) No. 1907/2006 (REACH).
- Regulation (EC) No. 1272/2008 (CLP).
- Norwegian Labour Inspection Authority Order No. 704-ENG.

**(iv) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP):**

Classification according to Regulation (EC) number 1272/2008 [CLP]	Classification Procedure
Aerosol 1: H222, H229	Test
Eye Irrit. 2 H319	Calculation
STOT SE3 H336	Calculation

**(v) Hazard statements (number and full text):**

H220 Extremely flammable gas  
H222 Extremely flammable aerosol  
H225 Highly flammable liquid or vapour  
H229 Pressurised container: May burst if heated.  
H280 Contains gas under pressure; may explode if heated.  
H319 Causes serious eye irritation  
H336 May cause drowsiness or dizziness

**Hazard Class and Category Code (full text):**

Aerosol 1: Aerosol  
Eye Irrit. 2: Serious eye damage/eye irritation  
Flam. Gas 1: Flammable Gas  
Flam. Liq. 2: Flammable liquid  
Press. Gas: Gases under pressure  
STOT SE 3: Specific target organ toxicity - single exposure

**Relevant precautionary statements (number and full text):**

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.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

# SAFETY DATA SHEET

P264: Wash thoroughly after handling

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do – continue rinsing

P501: Dispose of contents/container to hazardous waste or special collection point.

(vi)

**Training advice:**

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene. Chemical hazard risk assessment. Provide adequate information, instruction and training to operators.

## DISCLAIMER

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391/EEC and 98/24/EC amended by Directive 2014/27/EU.

<b>Revision summary:</b>	<b>Revision Comments</b>	This SDS is valid from the Revision Date. If you require a SDS for the product manufactured before the Revision Date please contact us at <a href="mailto:support.eu@magnaflux.com">support.eu@magnaflux.com</a>
	<b>Revision Date</b>	22.08.2018
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