SAFETY DATA SHEET

Version 17.1 replaces Version 16.1
Revision date: 01.01.2017
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: Solvent 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
Email address of competent person responsible for SDS: datasheets@magnaflux.co.uk
National contact: None appointed.

1.4 Emergency telephone number: DURING OFFICE HOURS, CALL
T: +44 (0)1793 524566 (English only)
Opening hours: Office hours (GMT) Monday - Thursday 8am - 5pm, Friday 8am - 4pm
OUT OF OFFICE HOURS, CALL
T: +44(0)203 394 9866

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

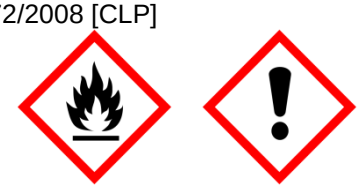
Classification according to Regulation (EC) No 1272/2008 (CLP):
Physical and Chemical Hazard:
Aerosol 1 H222, H229
Health Hazard:
Eye Irrit. 2 H319
STOT SE 3 H336
Environmental Hazard:
None
Additional information EUH066

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

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 of 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 P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P337+313: If eye irritation persists get medical advice/attention. P370+378: In case of fire: Use carbon dioxide, foam, dry chemical, water fog or spray for extinction. P501: Dispose of contents/container to hazardous waste or special collection point.
Supplementary Hazard Information (EU)	EUH066 Repeated exposure may cause skin drying or cracking.
Hazard Determining Component(s)	Propan-2-ol, Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics, Butanone.

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.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Ingredient Name	CAS No	EC No	REACH Registration Number	% Weight	Classification according to Regulation (EC) No 1272/2008 [CLP]	Additional information
Ethanol	64-17-5	200-578-6	01-2119457610-43	< 70	Flam. Liq. 2 H225	-
Propan-2-ol	67-63-0	200-661-7	01-2119457558-25-xxxx	< 20	Flam. Liq 2 H225 Eye Irrit. 2 H319 STOT SE3 H336	-
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics	-	927-241-2	01-2119471843-32-xxxx	< 10	Flam Liq 3 H226 STOT SE3 H336 Asp Tox 1 H304 (note1) Aquatic Chronic 3 H412	EUH066
Butanone	78-93-3	201-159-0	01-2119457290-43	< 5	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	EUH066
Hydrocarbons, C3-4-rich petroleum distillate petroleum gas (1.3 butadiene < 0.1%)	68512-91-4	270-990-9	(note2)	10-30	Press. Gas H280 Flam. Gas 1 H220	(note3)

1. Mixtures classified as Asp. Tox. 1 H304 need not be labelled when placed on the market in aerosol containers or in containers fitted with a sealed spray attachment.
2. Exempted from the obligation to register in accordance with art.2(7)(a) of REACH Regulation No 1907/2006
3. 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. If not breathing give artificial respiration. Seek prompt medical attention.

Following skin contact: Flush with water, use soap if available. Contaminated clothing should be washed before re-use.

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. Do NOT induce vomiting. 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.

4.2 Most important symptoms, both acute and delayed:
May cause irritation to eyes. Prolonged skin contact may cause redness and irritation. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

4.3 Indication of any immediate medical attention and special treatment needed:
None known.

SECTION 5 FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:	Carbon dioxide, 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.

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. Avoid breathing vapours, spray or mist. Ensure adequate ventilation.
For emergency responders:	Keep unnecessary people at a safe distance. Remove ignition sources. Avoid breathing vapours, spray or mist. Ensure adequate ventilation.

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. 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. Take measures to prevent the build-up of electrostatic charge. Equipment should be earthed. Use explosion proof electrical/ventilating/lighting equipment. Use only non-sparking tools.
Advice on general occupational hygiene:	Wash thoroughly after handling.

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.
Requirements for storage rooms and vessels:	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 ºC. Recommended storage temperature 10 ºC to 30 ºC.
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.

Ingredient name	Country	Limit value - 8 hours		Limit value - short term	
		ppm	mg /m3	Ppm	mg /m3
Ethanol	UK	1000	1920		
	Germany (AGS)	500	960	1000 (1)	1920 (1)
	Sweden	500	1000	1000 (1)	1900 (1)
Propan-2-ol	UK	400	999	500	1250
	Germany (AGS)	200	500	400 (1)	1000 (1)
	Sweden	150	350	250 (1)	600 (1)
Butanone	UK	200	600	300	899
	Germany (AGS)	200	600	200 (1)	600 (1)
	Sweden	50	150	100 (1)	300 (1)
	EU	200	600	300	900
(1) 15 minutes average value.					
Data obtained from GESTIS International Limit Values, EH40, supplier's SDS					

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

Derived No Effect Level (DNEL) – Ethanol

End User	Exposure Route	Exposure Time	Effects	DNEL
Worker	Inhalation	Long term	Systemic	950 mg/m^3
Worker	Inhalation	Short term	Local	1900 mg/m^3
Worker	Dermal (skin)	Long term	Systemic	343 mg/kg bw/day

Derived No Effect Level (DNEL) –Propan-2-ol

End User	**Exposure Route**	**Exposure Time**	**Effects**	**DNEL**
Worker	Inhalation	Long term	Systemic	500 mg/m3
Worker	Dermal	Long term	Systemic	888 mg/kg/day

Derived No Effect Level (DNEL) – Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

End User	Exposure Route	Exposure Time	Effects	DNEL
Worker	Inhalation	Long term	Systemic	1500 mg/m^3
Worker	Dermal (skin)	Long term	Systemic	300 mg/kg bw/day

Derived No Effect Level (DNEL) –Butanone

End User	**Exposure Route**	**Exposure Time**	**Effects**	**DNEL**
Worker	Inhalation	Long term	Systemic	600 mg/m^3
Worker	Dermal	Long term	Systemic	1161 mg/kg bw/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 Hygenists (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)

	Ethanol	Propan-2-ol	Butanone
Water - Fresh Water	0.96 mg/l	140.9 mg/l	55.8 mg/l
Water - Marine Water	0.79 mg/l	140.9 mg/l	55.8 mg/l
Water - Intermittent release	2.75 mg/l	140.9 mg/l	55.8 mg/l
Sediment - Fresh water	3.6 mg/kg dw	552 mg/kg dw	284.74 mg/kg
Sediment - Marine water	2.9 mg/kg dw	552 mg/kg dw	284.7 mg/kg
Soil	0.63 mg/kg soil dw	28 mg/kg soil dw	22.5 mg/kg soil dw
Sewage Treatment plant	580 mg/l	2251 mg/l	709 mg/l

PNEC - Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics:
No data available: testing technically not feasible

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.

Skin protection - hand: 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 **Polyethylene, Butyl and Neoprene** 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.

Skin protection – other: 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.

Respiratory protection: 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).
For higher level protection use type ABEK-P3 (EU EN 143) respirator cartridges.
Use respirators and components tested and approved under CEN standards.

Thermal hazards: Not applicable.

Environmental exposure controls: Avoid any release to the environment.

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:	Aerosol containing mobile clear liquid.
Odour:	Solvent - alcoholic.
Odour threshold:	No data available.
pH:	Neutral.
Melting point/freezing point:	< -80 °C
Initial boiling point and boiling range:	ca 80 °C.
Flash point (PMCC):	-40 °C (aerosol propellant).
Evaporation rate (BuAC = 100):	No data available.
Flammability (solid, gas) (Limits in air):	No data available.
Upper/lower flammability or explosive limits:	3.5 – 19% (Vol%)
Vapour pressure:	5.5 kPa @ 25 °C.
Vapour density (Air = 1):	> 1
Relative density:	0.77 – 0.79 g/cm^3
Solubility:	Negligible.
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	> 150 °C.
Decomposition temperature:	No data available.
Viscosity (ASTM D445):	No data available.
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	**Reactivity:**	No data available.
10.2	**Chemical stability**	Stable under normal conditions of use and applications.
10.3	**Possibility of hazardous reactions:**	No data available.
10.4	**Conditions to avoid:**	Keep away from sources of ignition, hot surfaces and direct sun light.
10.5	**Incompatible materials:**	Strong oxidising agents. Acids and alkalis.
10.6	**Hazardous decomposition materials:**	None under normal conditions of use. Smoke, soot and oxides of carbon on combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects: based on data for component materials.

Acute toxicity - oral:	Based on the available data the classification criteria are not met.
Acute toxicity – dermal:	Based on the available data the classification criteria are not met.

Acute toxicity – inhalation: Based on the available data the classification criteria are not met.

Skin corrosion/irritation: EUH066: Repeated exposure may cause skin cracking or dryness.

Serious eye damage/irritation: Eye Irrit. 2 H319: Causes serious eye irritation.

Respiratory sensitisation: Based on the available data the classification criteria are not met.

Skin sensitisation: Based on the available data the classification criteria are not met.

Germ cell mutagenicity: Ingredients in this mixture are not classified as mutagenic according to current regulations.

Carcinogencity: Ingredients in this mixture are not classified as carcinogenic according to current regulations.

Reproductive toxicity: Based on individual components, this preparation is not expected to show reproductive toxicity.

STOT single exposure: STOT SE 3 - H336: May cause drowsiness or dizziness.

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: May be harmful if absorbed through skin. 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.

Ethanol

Acute Toxicity – oral	LD50 (rat)	> 2000 mg/kg
Acute Toxicity – dermal	LD50 (rabbit)	> 2000 mg/kg
Acute Toxicity – inhalation	LC50 (mouse)	> 20 mg/l vapours 4 hours

Propan-2-ol

Acute Toxicity – oral	LD50 (rat)	4700 – 5800 mg/kg
Acute Toxicity – dermal	LD50 (rabbit)	13000 mg/kg
Acute Toxicity – inhalation	LC50 (rat)	19000 ppm/8hr

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Acute Toxicity – oral	LD50 (rat)	5000 mg/kg
Acute Toxicity – dermal	LD50 (rat)	> 5000 mg/kg

Butanone

Acute Toxicity – oral	LD50 (rat)	> 2000 mg/kg

Other Information: No other information.

SECTION 12 ECOLOGICAL INFORMATION

Based on data for component materials

12.1 Toxicity:

Ethanol

Fish	Leuciscus idus	LC50	48 hours	> 100 mg/l
Aquatic Invertebrates	Daphnia magna	EC50	48 hours	> 100 mg/l
Aquatic Plants	Selenastrum capricornutum	EC50	48 hours	> 100 mg/l
Microorganisms	Activated sludge	EC10	30 mins.	

Propan-2-ol

Fish	LC50	96h	9640 – 10400 mg/l
Daphnia	EC50	48h	7550 – 13299 mg/l
Algae	IC50	72h	> 1000 mg/l

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Fish	Onchorhynchus mykiss	LL50	96 hours	> 10 - < 30 mg/l
Aquatic Invertebrates	Daphnia magna	EL50	48 hours	> 22 - < 46 mg/l
Aquatic Plants	Algae	EL50	72 hours	> 1000 mg/l

Butanone

Fish	Pimephales promelas	LC50	96 hours	2993 mg/l
Aquatic Invertebrates	Daphnia magna	EC50	48 hours	308 mg/l
Aquatic Plants	Algae	EC50	72 hours	1972 mg/l

12.2 Persistence and degradability: Readily biodegradable.

12.3 Bioaccumulative potential: This preparation does not contain any substances expected to be bioaccumulative.

Partition coefficient: n-octanol/water (log Kow): -0.31 (ethanol)
+0.05 (propan-2-ol)
0.29 (butanone)

Bioconcentration factor (BCF): No data available.

12.4 Mobility in soil: This product will evaporate into the atmosphere from the surfaces of water and soil.

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

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.
Sewage disposal – relevant information:	Do not empty down the drain.
Other disposal recommendations:	Use a licensed waste contractor.

SECTION 14 TRANSPORT INFORMATION

14.1	**UN number:**	ADR/RID:	UN1950
		IMDG:	UN1950
		IATA:	UN1950
14.2	**UN proper shipping name:**	ADR/RID:	AEROSOLS, flammable
		IMDG:	AEROSOLS, flammable
		IATA:	AEROSOLS, flammable
14.3	**Transport hazard class(es):**	ADR/RID:	2.1
		IMDG:	2.1
		IATA:	2.1
14.4	**Packing group:**	ADR/RID:	N/A
		IMDG:	N/A
		IATA:	N/A
14.5	**Environmental hazards:**	ADR/RID:	No
		IMDG:	Marine Pollutant: No
		IATA:	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

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):

Wassergefahrdungklasse (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 17.1 Updated in Section 1.4.
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
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
- Occupational Exposure Limits EH40/2005.
- Commission regulation (EU) 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).

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

Classification according to Regulation (EC) No 1272/2008	Classification procedure
Aerosols 1 H222, H229	Test
Eye Irrit. 2 H319	Calculation
STOT SE3 H336	Expert Judgement
EUH066	Expert Judgement

(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
H226: Flammable liquid and vapour
H304: May be fatal if swallowed and enters airways
H412: Harmful to aquatic life with long lasting effects
EUH066: Repeated exposure may cause skin dryness or cracking

Hazard Class and Category Code (full text):

Aerosol 1: Aerosol
Aquatic Chronic 3: Hazardous to the aquatic environment
Asp. Tox. 1: Aspiration hazard
Eye Irrit. 2: Serious eye damage/eye irritation
Flam. Gas 1: Flammable Gas
Flam. Liq. 2: Flammable liquid
Flam. Liq. 3: 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 of 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.
P264: Wash thoroughly after handling
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P337+313: If eye irritation persists get medical advice/attention.
P370+378: In case of fire: Use carbon dioxide, foam, dry chemical, water fog or spray for

extinction.
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.

Revision summary:	**Revision Comments**	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 datasheets@magnaflux.co.uk.
	Revision Date	01.01.2017
	Version	17.1