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

1.1 Product identifier

Trade name	COBAline Line Marking Paint
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1.2 Relevant identified uses of the substance or mixture and uses advised against


Product type	<ul style="list-style-type: none"> • Permanently durable floor marking paint depending on substrate and usage. • 750ml bottle content. • Simple application. • Versatile use. • Produces a durable, fast-drying mark. • Applicable to concrete, asphalt, wood and composites. • Suitable for indoor and outdoor use. • Propellant: CFC-free aerosol.
Use	Aerosol paint
Not suitable for use in	All other user applications are strongly discouraged.

1.3 Details of the supplier of the safety data sheet

Supplier	COBA Europe GmbH Püllenweg 1-3 41352 Korschenbroich Germany Telephone: +49 2161 2945-0 Email: verkauf@coba-europe.de Website: https://www.coba-europe.com/de/ Contact person: C. Elfroth Email from contact person: verkauf@coba-europe.de
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1.4 Emergency telephone number

Emergency telephone number	Poison centre Bonn, Telephone: +49 (0) 228 / 19 240 (24 h)
Available outside office hours	Yes

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SECTION 2: Hazards identification


2.1 Classification of the substance or mixture


Classification according to Regulation (EC) No 1272/2008

Classification	Aerosol, Hazard category 2 Gases under pressure, Compressed gas Eye irritation, hazard category 2 Specific Target Organ Toxicity —Single exposure, hazard category 3 - narcosis
Hazard statements	H223, H280, H319, H336

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Pictogram		
Signal word	Warning	
Hazard statements	EUH066 H223 H280 H319 H336	Repeated exposure may cause skin dryness or cracking. Flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness.
Precaution statements	P210 P211 P251 P261 P410 + P412 P501	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing vapours. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container to an approved waste disposal facility in accordance with national/regional/local/international legislation.
More information	Hazardous components which must be listed on the label: Methyl acetate, n-butyl acetate	
UFI	UXDU-KD5N-NWG5-RFV8 (Cobaline Marking Paint 750ml Black) 41EU-2DV1-XWGN-ETFA (Cobaline Marking Paint 750ml Blue) 24EU-KDJF-8WG5-251D (Cobaline Marking Paint 750ml Red) 16EU-3D7U-JWGN-RGMF (Cobaline Marking Paint 750ml Green) J9EU-KDX7-VWG4-DU6H (Cobaline Marking Paint 750ml Grey) 7FEU-MDA1-GWG4-QHCN (Cobaline Marking Paint 750ml Yellow) WYEU-NDFE-AWG3-PJV1 (Cobaline Marking Paint 750ml White)	

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	FAFU-PD70-JWG2-AX69 (Cobaline Marking Paint 750ml Orange)
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2.3 Other hazards

Other hazards	This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.
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SECTION 3: Composition/information on ingredients

3.2 Mixtures


Chemical name	CAS No. EC No. REACH No.	Concentration	Classification	H-phrase
Dimethyl ether	115-10-6 204-065-8 01-2119472128-37-XXXX	30 – 40 %	Flam. Gas 1, Press. Gas	H220, H280
Methyl acetate	79-20-9 201-185-2 01-2119459211-47-XXXX	15 – 25 %	STOT SE 3, Flam. Liq. 2, Eye Irrit. 2	EUH066, H225, H319, H336
Dimethyl carbonate	616-38-6 210-478-4 01-2119548399-23-XXXX	10 – 20 %	Flam. Liq. 2	H225
n-butyl acetate	123-86-4 204-658-1 01-2119485493-29-XXXX	1 – 6 %	STOT SE 3, Flam. Liq. 3	EUH066, H226, H336

Substance additional information	<p>The mixture contains up to 44 % of pigments and other substances, which are not classified as hazardous.</p> <p>For the complete meaning of H phrases mentioned in this section, see section 16.</p>
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SECTION 4: First aid measures

4.1 Description of first aid measures

Description of first aid measures	In the event of discomfort, visit a doctor and bring the safety data sheet.
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Inhalation	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	Wash the skin thoroughly with plenty of water for at least 15 minutes, using a mild and non-abrasive soap.
Eye contact	IF IN EYES: Rinse carefully with lukewarm water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Contact a doctor if the irritation persists.
Ingestion	DO NOT INDUCE VOMITING! Clean mouth with water and drink afterwards plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Short term exposure: Irritating to respiratory system and can cause dizziness. Long term exposure: Vapours may cause drowsiness and dizziness.
Skin contact	Short term exposure: If sprayed continuously on skin, frostbite can be caused. Long term exposure: Repeated exposure may cause skin dryness or cracking.
Eye contact	Short term exposure: May cause eye irritation. Long term exposure: If sprayed continuously in eyes, frostbite can be caused.
Ingestion	Short term exposure: No information available. Long term exposure: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed	No information available.
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SECTION 5: Firefighting measures

5.1 Extinguishing media


Suitable extinguishing media	Carbon dioxide, dry chemical powder, foam, water fog.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	Combustion or thermal decomposition may evolve toxic or irritant vapours. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Vapours are heavier than air and may travel to a source of ignition and flash back. Flash back possible over considerable distance.
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5.3 Advice for firefighters

Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit.
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Measures in case of fire	Notify fire brigade and police immediately!
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Other

Other	Polluted extinguisher water should not run off into the soil, ground or surface water.
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures	Wear chemical resistant gloves and goggles. The glove material has to be impermeable and resistant against the product / the substance / the mixture.
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6.2 Environmental precautions

Environmental precautions	Do not discharge directly into the environment or into the sewer system. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
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6.3 Methods and material for containment and cleaning up

Methods and material for containment and cleaning up	For minor spills, clean up, rinsing to sewer and put empty container in garbage. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.
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6.4 Reference to other sections

Reference to other sections	For information on fire fighting measures see section 5. For information on safe handling see section 7. For information on personal protection see section 8. For information on disposal see section 13.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Preventive handling precautions	Use personal protection equipment. Handle in accordance with good hygiene and safety practice, and only in well ventilated areas. Avoid all unnecessary exposure. Contact even with mild skin irritants should be avoided. Keep away from
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	incompatible materials. Ensure all equipment is electrically grounded. Avoid electrical and thermal sources of ignition in the vicinity of the product.
General hygiene	When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Wash clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities	<p>Keep tightly closed in a dry, cool and well-ventilated place (< 30 °C). Keep away from direct sunlight.</p> <p>Check containers and valves periodically for leaks.</p> <p>Take precautions against static electricity. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.</p> <p>Avoid contact or contamination of the product with incompatible materials.</p> <p>Storage class according to TRGS 510: LGK 2B (Aerosol dispensers and lighters)</p>
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7.3 Specific end use(s)

Specific end use(s)	This product should only be used for those uses described in section 1.2.
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National occupational exposure limits	Ingredient	CAS No.	EC No.	Exposure limit mg/m3-ppm		Short-term exposure limit mg/m3-ppm		Remark	Source	Year
	Dimethyl ether	115-10-6	204-065-8	1900	1000	15200	8000	8(II), DFG, EU	TRGS 900	2018
	Dimethyl ether	115-10-6	204-065-8	1920	1000	-	-	EU limit value	2000/39/EC	2006
	Methyl acetate	79-20-9	201-185-2	620	200	1240	400	2(I), DFG, AGS, Y	TRGS 900	2018
	n-butyl acetate	123-86-4	204-658-1	300	62	600	124	2(I), AGS, Y	TRGS 900	2018

8.2 Exposure controls

Technical precaution measures	<p>Handle in a well-ventilated area or with a general system of local ventilation/exhaustion.</p> <p>Emergency eyewash stations and safety showers should be installed near any place where there is a risk of exposure.</p>
Eye / face protection	Chemical safety goggles recommended. Use equipment for eye protection tested and approved under appropriate government standards (EN 166).
Safety gloves	Wear chemical-resistant protective gloves. The gloves must conform to the standard EN 374.
Other skin protection	Contact even with mild skin irritants should be avoided. Wear suitable impervious elbow-length gloves and facial protection when handling this product. Appropriate

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	footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved. Suitable materials: Rubber, PVC
Respiratory protection	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Use respiratory protection according to EN 141.


SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Physical state: Aerosol Colour: various colours
b) Odour	Characteristic Odour
c) Odour threshold	No data available.
d) pH value	No data available.
e) Melting point / freezing point	No data available.
f) Initial boiling point and boiling range	No data available.
g) Flash point	-40 °C
h) Evaporation Rate	No data available.
i) Flammability (solid, gas)	No data available.
j) Upper / lower flammability or explosive limits	No data available.
k) Vapour pressure	No data available.
l) Vapour density	No data available.
m) Relative density	No data available.
n) Solubility	Some components are water soluble.
o) Partition coefficient: n-octanol / water	No data available.
p) Auto-ignition temperature	No data available.
q) Decomposition temperature	No data available.
r) Viscosity	No data available.
s) Explosive properties	No data available.
t) Oxidising properties	No data available.

9.2 Other information

Other information	No data available.
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SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity	Not reactive under normal conditions.
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10.2 Chemical stability

Chemical stability	Stable under normal usage and storage conditions.
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10.3 Possibility of hazardous reactions

Possibility of hazardous reactions	Hazardous polymerisation does not occur.
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10.4 Conditions to avoid

Conditions to avoid	Avoid contact with oxidising agents. Store below 30 °C. Protect from sunlight and do not expose to temperatures exceeding 50 °C (e.g. due to electric lights). Avoid all possible sources of ignition (spark or flame).
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10.5 Incompatible materials

Incompatible materials	Oxidizing agents
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10.6 Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Based on the available data, the classification criteria are not met.
Skin corrosion/irritation	Based on the available data, the classification criteria are not met.
Serious eye damage/irritation	Eye irritation, hazard category 2 - Causes serious eye irritation.
Corrosive effect to respiratory tract	Based on the available data, the classification criteria are not met.
Respiratory/skin sensitization	Based on the available data, the classification criteria are not met.
Germ cell mutagenicity	Based on the available data, the classification criteria are not met.
Genotoxicity	Based on the available data, the classification criteria are not met.

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Carcinogenicity	Based on the available data, the classification criteria are not met.
Reproductive toxicity	Based on the available data, the classification criteria are not met.
STOT-single exposure	Specific Target Organ Toxicity — Single exposure, hazard category 3 - narcosis - May cause drowsiness and dizziness.
STOT-repeated exposure	Based on the available data, the classification criteria are not met.
Aspiration hazard	Based on the available data, the classification criteria are not met.

LD50 oral

Name / Hazardous components	CAS no.	Value / Dose	Species
Methyl acetate	79-20-9	4800 mg/kg body weight	Rat
Dimethyl carbonate	616-38-6	5000 mg/kg body weight	-
Butyl acetate	123-86-4	10768 mg/kg body weight	-

LD50 dermal

Name / Hazardous components	CAS no.	Value / Dose	Species
Methyl acetate	79-20-9	> 2000 mg/kg body weight	Rat
Dimethyl carbonate	616-38-6	25000 mg/kg bodyweight	Rat
Butyl acetate	123-86-4	> 17600 mg/kg body weight	Rabbit

LD50 inhalative

Name / Hazardous components	CAS no.	Exposure time	Value / Dose	Species
Dimethyl ether	115-10-6	4 h	308.5 mg/l	Rat
Methyl acetate	79-20-9	4 h	98 mg/l	Rat
Dimethyl carbonate	616-38-6	4 h	> 140 mg/l	Rat
Butyl acetate	123-86-4	4 h	40 mg/l	Rabbit

SECTION 12: Ecological information


12.1 Toxicity

Acute fish toxicity

Name / Hazardous components	CAS no.	Exposure time	Value / Dose	Species
Dimethyl ether	115-10-6	96 h	1474 mg/l	Fish
Methyl acetate	79-20-9	96 h	320 mg/l	Elritze
Butyl acetate	123-86-4	96 h	18 mg/l	-

Acute algae toxicity

Name / Hazardous components	CAS no.	Exposure time	Value / Dose	Species
Dimethyl ether	115-10-6	72 h	1986.1 mg/l	Algae

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Methyl acetate	79-20-9	72 h	> 120 mg/l	Scenedesmus subspicatus
Butyl acetate	123-86-4	72 h	674.7 mg/l	Scenedesmus subspicatus

Acute crustacean toxicity

Name / Hazardous components	CAS no.	Exposure time	Value / Dose	Species
Dimethyl ether	115-10-6	48 h	2390 mg/l	Daphnia
Methyl acetate	79-20-9	72 h	> 120 mg/l	D. magna
Butyl acetate	123-86-4	48 h	10 – 100 mg/l	Daphnia

12.2 Persistence and degradability

Persistence and degradability	No information available.
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12.3 Bioaccumulative potential

Name / Hazardous components	CAS no.	LogKow / LogPow	Bioconcentration factor (BCF)
Dimethyl ether	115-10-6	0.10	-
Methyl acetate	79-20-9	0.18	0.57 – 0.81
Butyl acetate	123-86-4	1.81	14

12.4 Mobility in soil

Mobility in soil	No information available.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.
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12.6 Other adverse effects

Other adverse effects	No information available.
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations	<p>Dispose in a safe manner in accordance with local/national regulations.</p> <p>Dispose of small quantities and empty containers by wrapping with paper and putting in garbage.</p> <p>For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.</p>
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	For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
Packaging	Dispose of any product, residue or packing material according to national and local regulations.

SECTION 14: Transport information

14.1 UN number

UN number	UN1950
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14.2 UN proper shipping name

UN proper shipping name	ADR/RID: AEROSOLS, FLAMMABLE IMDG: AEROSOLS, FLAMMABLE IATA: AEROSOLS, FLAMMABLE
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14.3 Transport hazard class(es)

Label	2.1
ADR / RID Class	2.1
IMDG Class	2.1
IATA Class	2.1

14.4 Packing group

Packing group	No information available.
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14.5 Environmental hazards

Environmental hazards	No information available.
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14.6 Special precautions for user


Special precautions for user	No information available.
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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.
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Other

Other	Class 2.1 Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 3 (Flammable Liquids) (where
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	both flammable liquids and flammable gases are in bulk), 4.1 (Flammable Solids), 4.2 (Spontaneously Combustible Substances), 4.3 (Dangerous When Wet Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.2 (Non-flammable Non-Toxic gases), 3 (Flammable liquids except where both flammable liquids and flammable gases are in bulk), 6 (Toxic Substances), 8 (Corrosive Substances) 9 (Miscellaneous dangerous goods), Foodstuffs and foodstuff empties.
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SECTION 15: Regulatory information

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


EU regulations	Regulation (EC) No 1907/2006 of the European Parliament and of the Council, REACH. Regulation (EC) No 1272/2008 of the European Parliament and of the Council, CLP. Commission Directive 2000/39/EC.
National regulations	Hazardous Substances Ordinance (Gefahrstoffverordnung, GefStoffV). TRGS 900 - Technical Rule for Hazardous Substances: Workplace exposure limits. TRGS 510 - Technical Rules for Hazardous Substances: Storage of hazardous substances in non-stationary containers. Ordinance on facilities for handling substances that are hazardous to water - AwSV: WGK 1 – slightly hazardous to water (according to Appendix 1 point 5.2).
Other regulations, limitations and legal regulations	Contains no substances subject to restrictions according to Annex XVII of REACH. Contains no substances listed in Annex XIV of REACH. Contains no substances from the candidate list REACH.

15.2 Chemical safety assessment

Chemical safety assessment	No chemical safety assessment has been performed.
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SECTION 16: Other information

Changes to previous revision	Section 2
Abbreviations	ADR - Accord européen relatif au transport international des marchandises Dangereuses par Route AwSV - Ordinance on facilities for handling substances that are hazardous to water (Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen) CAS - Chemical Abstracts Service EC - European Communities ECHA - European Chemicals Agency

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	<p>IATA - International Air Transport Association</p> <p>IBC - Intermediate Bulk Container</p> <p>IMDG - International Maritime Dangerous Goods Code</p> <p>LC50 - Lethal Concentration 50 %</p> <p>LD50 - Lethal Dose 50%</p> <p>PBT - Persistent, Bioaccumulative and Toxic</p> <p>REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals</p> <p>SVHC - Substances of Very High Concern</p> <p>TRGS - Technical Rules for Hazardous Substances (Technische Regeln für Gefahrstoffe)</p> <p>UFI – Unique formula identifier</p> <p>UN - United Nations</p> <p>vPvB - very Persistent and very Bioaccumulative</p> <p>WGK - Water hazard class (Wassergefährdungsklasse)</p>
References to key literature and data sources	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council, REACH.</p> <p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council, CLP.</p> <p>Hazardous Substances Ordinance (Gefahrstoffverordnung, GefStoffV).</p> <p>Ordinance on facilities for handling substances that are hazardous to water - AwSV.</p> <p>TRGS 900 - Technical Rule for Hazardous Substances: Workplace exposure limits.</p> <p>TRGS 510 - Technical Rules for Hazardous Substances: Storage of hazardous substances in non-stationary containers.</p> <p>C&L Inventory database (ECHA).</p> <p>REACH Registration dossiers - ECHA.</p> <p>GESTIS - International limit values for chemical agents - (database).</p> <p>http://prevent.se (database)</p>
Evaluation methods for classification	Classification and procedure used to establish the classification of mixtures in accordance with Regulation (EC) 1272/2008 [CLP].
Phrase meaning	<p>Eye Irrit. 2 - Eye irritation, hazard category 2</p> <p>Flam. Gas 1 - Flammable gases, hazard category 1</p> <p>Flam. Liq. 2 - Flammable liquids, hazard category 2</p> <p>Flam. Liq. 3 - Flammable liquids, hazard category 3</p> <p>Press. Gas - Gases under pressure, Compressed gas</p> <p>STOT SE 3 - Specific Target Organ Toxicity — Single exposure, hazard category 3</p> <p>EUH066 - Repeated exposure may cause skin dryness or cracking.</p> <p>H220 - Extremely flammable gas.</p> <p>H225 - Highly flammable liquid and vapour.</p> <p>H226 - Flammable liquid and vapour.</p> <p>H280 - Contains gas under pressure; may explode if heated.</p> <p>H319 - Causes serious eye irritation.</p> <p>H336 - May cause drowsiness or dizziness.</p>

Other

Additional information	<p>This Safety Data Sheet has been compiled to the best of our knowledge as a compact guide to safe handling of this product. Read this Safety Data Sheet carefully and become aware of hazards implied and the Safety information. If clarification or further Information is needed to ensure that an appropriate risk assessment can be made the user should contact this company so we can attempt to obtain additional information from our suppliers. Our responsibility for sold products is subject to our standard terms and conditions. A copy of this Safety Data Sheet is sent to our customers and is also available by request.</p>
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