

SAFETY DATA SHEET

Line Marker (GB)

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name Line Marker (GB)
Product number Code-Nr. BA-SP07

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

Identified uses Technical Aerosol.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier Blue Diamond S.T.L.
Sandall Stones Road, Kirk Sandall Industrial Estate,
Doncaster,
DN3 1QR
United Kingdom
Tel: +44(0) 1302 310113
Email: sales@bdstl.com

1.4. Emergency telephone number

Emergency telephone +44(0) 1302 310113

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229
Health hazards Not Classified
Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated
H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements

P102 Keep out of reach of children.
 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.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Dimethyl ether CAS number: 115-10-6 EC number: 204-065-8	25 - <50%
Classification Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	
Dimethoxymethane CAS number: 109-87-5 EC number: 203-714-2	10 - <25%
Classification Flam. Liq. 2 - H225	
Calcium carbonate CAS number: 471-34-1 EC number: 207-439-9 Substance with National workplace exposure limits.	10 - <25%
Classification Not Classified	
Titanium dioxide CAS number: 13463-67-7 EC number: 236-675-5 Substance with National workplace exposure limits.	5 - <10%
Classification Not Classified	

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Mesitylene	2.5 - <5%
CAS number: 108-67-8	EC number: 203-604-4
Classification	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	If in doubt, get medical attention promptly.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Wash with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Vapours/aerosol spray may irritate the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

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Specific hazards	Extremely flammable aerosol. Containers can burst violently or explode when heated, due to excessive pressure build-up. Bursting aerosol containers may be propelled from a fire at high speed. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. In use may form flammable/explosive vapour-air mixture.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
5.3. Advice for firefighters	
Protective actions during firefighting	Evacuate area. Fight fire from safe distance or protected location. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours.
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Evacuate area.
	No smoking, sparks, flames or other sources of ignition near spillage. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant.
	Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. If ventilation is inadequate, suitable respiratory protection must be worn.
	Do not touch or walk into spilled material. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	No smoking, sparks, flames or other sources of ignition near spillage. Eliminate all ignition sources if safe to do so. Provide adequate ventilation. Wash thoroughly after dealing with a spillage.
	Approach the spillage from upwind. Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions	<p>Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from food, drink and animal feeding stuffs. Do not pierce or burn, even after use. In use may form flammable/explosive vapour-air mixture.</p> <p>Provide adequate ventilation. Avoid inhalation of vapours/spray and contact with skin and eyes. Vapours may accumulate on the floor and in low-lying areas.</p> <p>Use only non-sparking tools. Take precautionary measures against static discharges. Use explosion-proof electrical, ventilating and lighting equipment.</p>
Advice on general occupational hygiene	<p>Good personal hygiene procedures should be implemented.</p> <p>Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Take off contaminated clothing and wash it before reuse.</p>

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	<p>Keep only in the original container in a cool, well-ventilated place. Store at temperatures not exceeding 50°C/122°F. Avoid exposure to high temperatures or direct sunlight.</p> <p>Keep away from heat, sparks and open flame. Keep out of the reach of children.</p>
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Dimethyl ether

Long-term exposure limit (8-hour TWA): WEL 400 ppm 766 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 958 mg/m³

Dimethoxymethane

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 3160 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 3950 mg/m³

Calcium carbonate

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Titanium dioxide

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Mesitylene

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m³

WEL = Workplace Exposure Limit

Mesitylene (CAS: 108-67-8)

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DNEL	<p>Workers - Inhalation; Short term systemic effects: 100 mg/m³</p> <p>Workers - Inhalation; Long term local effects: 100 mg/m³</p> <p>Workers - Inhalation; Long term systemic effects: 100 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 16171 mg/kg/day</p> <p>Consumer - Inhalation; Short term local effects: 19.4 mg/m³</p> <p>Consumer - Inhalation; Short term systemic effects: 29.4 mg/m³</p> <p>Consumer - Dermal; Long term systemic effects: 9512 mg/kg/day</p> <p>Consumer - Oral; Long term systemic effects: 15 mg/kg/day</p>
PNEC	<ul style="list-style-type: none"> - Fresh water; 0.101 mg/l - Marine water; 0.101 mg/l - Intermittent release; 0.101 mg/l - STP; 2.02 mg/l - Sediment (Freshwater); 7.86 mg/kg - Sediment (Marinewater); 7.86 mg/kg - Soil; 1.34 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Observe any occupational exposure limits for the product or ingredients.
Provide adequate general and local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid inhalation of vapours and spray/mists.
Use explosion-proof ventilating equipment.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. For exposure up to 8 hours, wear gloves made of the following material: Butyl rubber. Thickness: 0.7 mm
Frequent changes are recommended.

Other skin and body protection

Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.

Hygiene measures

Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product.
Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Take off contaminated clothing and wash it before reuse.

Respiratory protection

Use only outdoors or in a well-ventilated area. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.
If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Gas filter, type AX.
Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Line Marker (GB)

Appearance	Aerosol.
Colour	Various colours.
Odour	Solvent.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Flammability (solid, gas)	Extremely flammable aerosol.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	Not determined.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See the other subsections of this section for further details.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Flammable/combustible materials. In use may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

Conditions to avoid Avoid exposing aerosol containers to high temperatures or direct sunlight. Keep at temperature not exceeding 50°C/122°F. Pressurised container: may burst if heated. Static electricity and formation of sparks must be prevented. Do not pierce or burn, even after use.

10.5. Incompatible materials

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Materials to avoid Keep away from oxidising materials, heat and flames.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

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

Inhalation Vapours/aerosol spray may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Line Marker (GB)

Eye contact Vapour or spray in the eyes may cause irritation and smarting.

Toxicological information on ingredients.

Dimethyl ether

Toxicological effects	Not regarded as a health hazard under current legislation.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	LC ₅₀ 164000 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Genome mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	NOAEL 2.5% , Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Screening - NOAEL 2.5 %, Inhalation, Rat P REACH dossier information. Based on available data the classification criteria are not met.
Reproductive toxicity - development	Developmental toxicity:, Teratogenicity: - NOAEL: 40000 ppm, Inhalation, Rat No evidence of reproductive toxicity in animal studies.

Dimethoxymethane

Toxicological effects	Not regarded as a health hazard under current legislation.
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ 6423 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >5000 mg/kg, Dermal, Rabbit REACH dossier information. Based on available data the classification criteria are not met.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	LD ₅₀ 57000 mg/m ³ , Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: Very slight erythema - barely perceptible (1). Oedema score: No oedema (0). REACH dossier information. Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	

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Genotoxicity - in vitro Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - development Developmental toxicity: - NOEL: 10068 ppm, Inhalation, Rat This substance has no evidence of toxicity to reproduction.

Mesitylene

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 6,000.0

Species Rat

Notes (oral LD₅₀) REACH dossier information. Read-across data. Based on available data the classification criteria are not met.

ATE oral (mg/kg) 6,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,001.0

Species Rat

Notes (dermal LD₅₀) REACH dossier information. Read-across data. Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 2,001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 10.2

Species Rat

Notes (inhalation LC₅₀) REACH dossier information. Read-across data. Based on available data the classification criteria are not met.

ATE inhalation (dusts/mists mg/l) 10.2

Skin corrosion/irritation

Animal data Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Well defined erythema (2). REACH dossier information. Skin Irrit. 2 - H315

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.2 ml, 1 second, Rabbit Not irritating. REACH dossier information. Read-across data. Based on available data the classification criteria are not met.

Respiratory sensitisation

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

Skin sensitisation

Line Marker (GB)

Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Read-across data. Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Multi-generation study - NOAEC 500 ppm, Inhalation, Rat REACH dossier information. Read-across data. Based on available data the classification criteria are not met.
Reproductive toxicity - development	Maternal toxicity: - NOAEC: 492 mg/m ³ , Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	STOT SE 3 - H335 May cause respiratory irritation.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	NOAEL 600 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.
<u>Aspiration hazard</u>	
Aspiration hazard	0.63 cSt @ 50°C/122°F REACH dossier information. Not anticipated to present an aspiration hazard, based on chemical structure.

SECTION 12: Ecological Information

12.1. Toxicity

Ecological information on ingredients.

Dimethyl ether

Toxicity	Aquatic toxicity is unlikely to occur.
Acute toxicity - fish	LC ₅₀ , 96 hours: >4100 mg/l, Poecilia reticulata (Guppy)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >4400 mg/l, Daphnia magna

Dimethoxymethane

Toxicity	Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.
Acute toxicity - fish	LC ₅₀ , 96 hours: >1000 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	LC ₅₀ , 48 hours: >1000 mg/l, Daphnia magna

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Acute toxicity - aquatic plants EC₅₀, 72 hours: 9120 mg/l, Pseudokirchneriella subcapitata

Mesitylene

Toxicity Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

Acute toxicity - fish LC₅₀, 96 hours: 12.52 mg/l, Carassius auratus (Goldfish)
REACH dossier information.

Acute toxicity - aquatic invertebrates LC₅₀, 48 hours: 6 mg/l, Daphnia magna
REACH dossier information.

Acute toxicity - aquatic plants EC₅₀, 48 hours: 25 mg/l, Desmodesmus subspicatus
REACH dossier information.

Chronic aquatic toxicity

NOEC

Degradability --

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.4 mg/l, Daphnia magna
REACH dossier information.

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

Dimethyl ether

Persistence and degradability No biodegradation observed under test conditions.

Phototransformation Water - DT₅₀ : <8 days

Biodegradation Water - Degradation 5%: 28 days

Dimethoxymethane

Persistence and degradability The product is not readily biodegradable.

Mesitylene

Persistence and degradability The product is readily biodegradable.

Biodegradation - Degradation (50%): 4.4 days
REACH dossier information.
QSAR model

12.3. Bioaccumulative potential

Partition coefficient Not determined.

Ecological information on ingredients.

Dimethyl ether

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Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient log Pow: 0.07

Dimethoxymethane

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient log Pow: 0

Mesitylene

Bioaccumulative potential BCF: 161, Pimephales promelas (Fat-head Minnow) REACH dossier information. QSAR model

Partition coefficient log Pow: 3.42

12.4. Mobility in soil

Mobility No data available.

Ecological information on ingredients.

Dimethyl ether

Mobility The product is soluble in water. The product contains volatile substances which may spread in the atmosphere.

Henry's law constant 518.6 Pa m³/mol @ 25°C

Dimethoxymethane

Mobility The product is soluble in water.

Adsorption/desorption coefficient Water - Koc: 5.5 @ 25°C

Surface tension 21.2 mN/m @ 20°C

Mesitylene

Mobility The product is partly soluble in water and may spread in the aquatic environment.

Adsorption/desorption coefficient Water - log Koc : 2.87 REACH dossier information. QSAR model

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Dimethyl ether

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Dimethoxymethane

Line Marker (GB)

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Mesitylene

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Disposal methods Collect and place in suitable waste disposal containers and seal securely. Dispose of contents/container in accordance with national regulations. Do not empty into drains. Do not pressurise, cut, weld, drill, grind or otherwise expose containers to heat or sources of ignition. Empty containers must not be punctured or incinerated because of the risk of an explosion.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	Aerosols, flammable
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

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Transport labels



14.4. Packing group

ADR/RID packing group	None
IMDG packing group	None
ICAO packing group	None
ADN packing group	None

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

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 Not applicable.

SECTION 15: Regulatory information

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

National regulations	EH40/2005 Workplace exposure limits. The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).
Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances	P3a - Lower tier 150 tonnes, Upper tier 500 tonnes.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Line Marker (GB)

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ATE: Acute Toxicity Estimate. DNEL: Derived No Effect Level. PNEC: Predicted No Effect Concentration. NOEC: No Observed Effect Concentration. NOAEL: No Observed Adverse Effect Level. LC ₅₀ : Lethal Concentration to 50 % of a test population. EC ₅₀ : 50% of maximal Effective Concentration.
Classification abbreviations and acronyms	Aerosol = Aerosol Flam. Gas = Flammable gas Press. Gas, Liquefied = Gas under pressure: Liquefied gas
General information	For Industrial-Professional Use Only
Classification procedures according to Regulation (EC) 1272/2008	Aerosol 1 - H222, H229: Expert judgement.
Revision date	03/04/2017
Revision	9
Supersedes date	17/03/2017
SDS number	5537
Hazard statements in full	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H229 Pressurised container: may burst if heated H280 Contains gas under pressure; may explode if heated. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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