

# SAFETY DATA SHEET

## Blu-Sky XPRO Bulk 5L

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

#### 1.1. Product identifier

Product name Blu-Sky XPRO Bulk 5L

Container size 5L

EU REACH registration notes All chemicals used in this product have been registered under REACH where required.

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

Identified uses Contact Adhesive Use only as directed.

Uses advised against Flexible PVC due to the risk of plasticiser migration.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Blu-Sky (UK) Limited  
Unit 5, The Woodlands Centre  
Stretton Way  
Huyton  
Liverpool  
L36 6AD

Tel: 0151 538 7893

Fax: 0151 443 0680

Email: info@bluskyltd.com

#### 1.4. Emergency telephone number

Emergency telephone Blu-Sky: +44 (0) 151 538 7893 (Mon-Fri 09:00-17:00)

National emergency telephone number National Poisons Information Service (UK): 0844 892 0111 (healthcare professionals only)  
NHS: 111 (members of the public)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (SI 2019 No. 720)

Physical hazards Flam. Liq. 2 - H225

Health hazards Not Classified

Environmental hazards Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.

## Blu-Sky XPRO Bulk 5L

<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P242 Use non-sparking tools.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Supplemental label information</b>	Please refer to Safety Data Sheet.
<b>Supplementary precautionary statements</b>	<p>P273 Avoid release to the environment.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P243 Take action to prevent static discharges.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P391 Collect spillage.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p>

### 2.3. Other hazards

Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Vapours in high concentrations are narcotic. This product does not contain any substances classified as PBT or vPvB. In use may form flammable/explosive vapour-air mixture. Containers should be thoroughly emptied before disposal because of the risk of an explosion.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>DIMETHOXYMETHANE</b>	<b>60-100%</b>
CAS number: 109-87-5	EC number: 203-714-2
<b>Classification</b>	
Flam. Liq. 2 - H225	

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

**Composition comments**            This product does not contain nanoforms.

**Ingredient notes**                Where required, the acute toxicity estimate (ATE) for any substance is listed in Section 11.

## SECTION 4: First aid measures

## Blu-Sky XPRO Bulk 5L

### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. If breathing stops, provide artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention. Do not induce vomiting.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. If adhesive bonding occurs, do not force eyelids apart.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure. May cause nausea, headache, dizziness and intoxication. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin. Product has a defatting effect on skin.
<b>Eye contact</b>	There may be irritation and redness. Eyes may water profusely.

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

<b>Notes for the doctor</b>	Show this Safety Data Sheet to the medical personnel.
<b>Specific treatments</b>	If adhesive bonding occurs, do not force eyelids apart.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water spray, dry powder or carbon dioxide. Alcohol-resistant foam.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up. Forms explosive mixtures with air. May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
<b>Hazardous combustion products</b>	Oxides of carbon. Acrid smoke or fumes.

### 5.3. Advice for firefighters

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**Protective actions during firefighting** Use water to keep fire exposed containers cool and disperse vapours. 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.

**Special protective equipment for firefighters** 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** Wear protective clothing as described in Section 8 of this safety data sheet. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not breathe vapour. Avoid contact with eyes and prolonged skin contact.

**For non-emergency personnel** For the greatest protection, clothing should include anti-static overalls, boots and gloves.

**For emergency responders** For the greatest protection, clothing should include anti-static overalls, boots and gloves.

#### 6.2. Environmental precautions

**Environmental precautions** Contain the spillage using bunding. Contain spillage with sand, earth or other suitable non-combustible material.

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

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Avoid water contacting spilled material or leaking containers. Approach the spillage from upwind. Take precautionary measures against static discharge. Use only non-sparking tools.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 7 for information on safe handling. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Wear protective clothing as described in Section 8 of this safety data sheet. Read and follow manufacturer's recommendations. Do not use in confined spaces without adequate ventilation and/or respirator. Do not eat, drink or smoke when using this product.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas. Wash after use and before eating, smoking and using the toilet. Do not smoke in work area. Clean equipment and the work area every day.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid contact with oxidising agents. Store away from the following materials: Alkalis. Store at temperatures not exceeding 50°C.

**Storage class** Flammable liquid storage.

#### 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

##### DIMETHOXYMETHANE

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 3160 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1250 ppm 3950 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

##### DIMETHOXYMETHANE (CAS: 109-87-5)

##### DNEL

General population - Dermal; Long term systemic effects: 5.7 mg/kg/day

General population - Inhalation; Long term systemic effects: 39 mg/m<sup>3</sup>

General population - Oral; Long term systemic effects: 9.6 mg/kg/day

Workers - Inhalation; Long term systemic effects: 132 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 22 mg/kg/day

##### PNEC

- Fresh water; 14577 mg/l

- Sediment (Freshwater); 13135 mg/kg/day

- Sediment (Marinewater); 13135 mg/kg/day

- Soil; 46538 mg/kg/day

- marine water; 14577 mg/l

- STP; 10000 mg/l

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate ventilation. Ensure that the direction of airflow is clearly away from the worker. Use approved respirator if air contamination is above an acceptable level. Observe any occupational exposure limits for the product or ingredients. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof electrical, ventilating and lighting equipment. Ensure operatives are trained to minimise exposure.

##### Personal protection

Wear protective clothing.

##### Eye/face protection

Tight-fitting safety glasses. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

##### 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. The breakthrough time for any glove material may be different for different glove manufacturers. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). The selected gloves should have a breakthrough time of at least 1 hours. Thickness: ≥ 1.2 mm Frequent changes are recommended. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

##### Other skin and body protection

Provide eyewash station. Avoid contact with skin. Wear suitable coveralls to prevent exposure to the skin.

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<b>Hygiene measures</b>	Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Use appropriate hand lotion to prevent defatting and cracking of skin. Wash at the end of each work shift and before eating, smoking and using the toilet.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Short term Gas filter, type AX.
<b>Environmental exposure controls</b>	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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Amber.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Data lacking.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Dimethoxymethane: 42°C
<b>Flash point</b>	-31°C Information given is based on data of the components and of similar products.
<b>Evaporation rate</b>	Not available.
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	No information required.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 2.2 % Upper flammable/explosive limit: 19.9 % Information given is based on data of the components and of similar products.
<b>Other flammability</b>	No specific test data are available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	0.86 @ 20°C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Dimethoxymethane: log Pow: 0
<b>Auto-ignition temperature</b>	Dimethoxymethane: 260°C
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Liquid base: 50 - 250 mm <sup>2</sup> /s @ 20°C
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

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### 9.2. Other information

**Molecular weight** No information required.

### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

**Reactivity** Stable under recommended transport or storage conditions.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended. Highly volatile.

#### 10.3. Possibility of hazardous reactions

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

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Avoid the accumulation of vapours in low or confined areas.

#### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong oxidising agents. Strong alkalis.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Toxic gases or vapours.

### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Summary** Based on available data the classification criteria are not met.

##### Acute toxicity - dermal

**Summary** Based on available data the classification criteria are not met.

##### Acute toxicity - inhalation

**Summary** Based on available data the classification criteria are not met.

##### Skin corrosion/irritation

**Summary** Based on available data the classification criteria are not met.

##### Serious eye damage/irritation

**Summary** Based on available data the classification criteria are not met.

##### Respiratory sensitisation

**Summary** Based on available data the classification criteria are not met.

##### Skin sensitisation

**Summary** Based on available data the classification criteria are not met.

##### Germ cell mutagenicity

**Summary** Based on available data the classification criteria are not met.

##### Carcinogenicity

**Summary** Based on available data the classification criteria are not met.

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### Reproductive toxicity

**Summary** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**Summary** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

**Summary** Based on available data the classification criteria are not met.

### Aspiration hazard

**Summary** Based on available data the classification criteria are not met.

## 11.2. Information on other hazards

**11.2.1. Endocrine disrupting properties** There are no adverse health effects caused by endocrine disrupting properties.

**11.2.2. Other information** No information available.

### Toxicological information on ingredients.

#### DIMETHOXYMETHANE

**Toxicological effects** The toxicity of this substance has been assessed during REACH registration.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** 6423.0 , Oral, Rat

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** 5000.0 , Dermal, Rabbit

#### 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.

#### 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.

#### 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.



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<b>Inhalation</b>	Irritating to respiratory system. Vapours may cause drowsiness and dizziness.
<b>Ingestion</b>	Gastrointestinal symptoms, including upset stomach.
<b>Skin contact</b>	Irritating to skin. Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	The liquid may be irritating to eyes, respiratory system and skin.

### SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### Ecological information on ingredients.

##### DIMETHOXYMETHANE

<b>Toxicity</b>	Not considered toxic to fish.
<b><u>Acute aquatic toxicity</u></b>	
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 6,410 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >1200 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: >10000 mg/l, Scenedesmus subspicatus

#### 12.2. Persistence and degradability

**Persistence and degradability** Biodegradable in part only.

#### Ecological information on ingredients.

##### DIMETHOXYMETHANE

<b>Persistence and degradability</b>	The product is readily biodegradable.
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#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Dimethoxymethane: log Pow: 0

#### 12.4. Mobility in soil

**Mobility** The product is insoluble in water.

#### Ecological information on ingredients.

##### DIMETHOXYMETHANE

<b>Mobility</b>	The product is soluble in water.
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#### 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.

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### Ecological information on ingredients.

#### DIMETHOXYMETHANE

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

#### 12.6. Other adverse effects

**12.6. Endocrine disrupting properties** There are no adverse effects on the environment caused by endocrine disrupting properties.

**12.7. Other adverse effects** None known.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**General information** Ensure containers are empty before discarding (explosion risk). Dispose of contents/container in accordance with local regulations.

**Disposal methods** Do not puncture or incinerate, even when empty. Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

**Waste class** Solvent Based Adhesive Waste (Non-Halogenated): 08 04 09\*

### **SECTION 14: Transport information**

#### 14.1. UN number

UN No. (ADR/RID)	1133
UN No. (IMDG)	1133
UN No. (ICAO)	1133
UN No. (ADN)	1133

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ADHESIVES

**Proper shipping name (IMDG)** ADHESIVES

**Proper shipping name (ICAO)** ADHESIVES

**Proper shipping name (ADN)** ADHESIVES

#### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

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### Transport labels



#### 14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

#### 14.5. Environmental hazards

##### Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

IMDG Code segregation group	Stow separated from class 2.1. Stow away from class 2.2.
EmS	F-E, S-D
ADR transport category	2
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

#### 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.

Not applicable.

### SECTION 15: Regulatory information

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

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended). Health and Safety at Work etc. Act 1974 (as amended). The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40.
<b>Authorisations (SI 2020 No. 1577 Annex XIV)</b>	No specific authorisations are known for this product.
<b>Restrictions (SI 2020 No. 1577 Annex XVII)</b>	No specific restrictions on use are known for this product.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

## Blu-Sky XPR0 Bulk 5L

<b>Classification procedures according to SI 2019 No. 720</b>	Flam. Liq. 2 - H225: Weight of evidence.
<b>Issued by</b>	Technical Department
<b>Revision date</b>	04/03/2024
<b>Revision</b>	10.1
<b>Supersedes date</b>	03/02/2022
<b>SDS number</b>	24678
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.