



## SAFETY DATA SHEET ARBOFOAM GUN CLEANER

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

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

#### 1.1. Product identifier

**Product name** ARBOFOAM GUN CLEANER

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

**Identified uses** Cleaner for uncured polyurethane foam.

**Uses advised against** Restricted to professional users.

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

**Supplier** Adshead Ratcliffe & Co. Ltd.  
Derby Road, Belper  
Derbyshire.  
DE56 1WJ  
T: (+44) 01773 826661  
F: (+44) 01773 821215  
E: sds.carlisle@ccm-europe.com

#### 1.4. Emergency telephone number

**Emergency telephone** NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only).  
For medical advice, members of the public should contact NHS 111 in England: 111; NHS 24 in Scotland: 111; NHS Direct in Wales: 111 or 0845 4647. In Northern Ireland: contact your local GP or pharmacist.

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

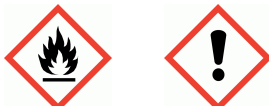
**Physical hazards** Aerosol 1 - H222, H229

**Health hazards** Eye Irrit. 2 - H319 STOT SE 3 - H336

**Environmental hazards** Not Classified

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Danger

**Hazard statements** H222 Extremely flammable aerosol.  
H229 Pressurised container: may burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

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<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P280 Wear protective gloves, eye and face protection.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p>
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Contains</b>	Acetone

### 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

<b>Acetone</b>		<b>40 - &lt;60%</b>
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-XXXX
<b>Classification</b>		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
<b>Isobutane</b>		<b>25 - &lt;40%</b>
CAS number: 75-28-5	EC number: 200-857-2	REACH registration number: 01-2119485395-27-XXXX
<b>Classification</b>		
Flam. Gas 1A - H220		
Press. Gas (Liq.) - H280		
<b>Propane</b>		<b>10 - &lt;20%</b>
CAS number: 74-98-6	EC number: 200-827-9	REACH registration number: 01-2119486944-21-XXXX
<b>Classification</b>		
Flam. Gas 1A - H220		
Press. Gas (Liq.) - H280		

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.

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<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. DO NOT induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly 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 any discomfort continues.

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

<b>Inhalation</b>	Drowsiness, dizziness, disorientation, vertigo.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. Excessive lachrymation

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water spray, foam, dry powder or carbon dioxide.
<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>	The product is flammable. Heating may generate flammable vapours. Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes. Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	Wear self contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Eliminate all sources of ignition. Ventilate area to dispel any residual vapours.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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### 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. Small Spillages: Absorb small quantities with paper towels and evaporate in a safe place. Large Spillages: Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. 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. Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Good personal hygiene procedures should be implemented. Take precautionary measures against static discharge. Use explosion-proof electrical, ventilating and lighting equipment.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product.

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

**Storage precautions** Pressurised container: may burst if heated Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **Acetone**

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m<sup>3</sup>

##### **Isobutane**

Long-term exposure limit (8-hour TWA): 600 ppm 1450 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 750 ppm 1810 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

#### Acetone (CAS: 67-64-1)

#### **DNEL**

Workers - Inhalation; Long term systemic effects: 1210 mg/m<sup>3</sup>

Workers - Inhalation; Long term local effects: 2420 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 186 mg/kg/day

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### PNEC

Fresh water; 10.6 mg/l  
 Intermittent release; 21 mg/l  
 marine water; 1.06 mg/l  
 STP; 100 mg/l  
 Sediment (Freshwater); 30.4 mg/kg  
 Sediment (Marinewater); 3.04 mg/kg  
 Soil; 29.5 mg/kg

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Good general ventilation should be adequate to control worker exposure to airborne contaminants.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Safety glasses with side-shields Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

Wear protective gloves. 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. It is recommended that gloves are made of the following material: Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (> 0.1 mm). Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.

#### Other skin and body protection

Provide eyewash station. Wear suitable protective clothing as protection against splashing or contamination.

#### Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated.

#### Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn. Organic vapor (Type A) and particulate filter. A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm. P1: Inert material; P2, P3: hazardous substances.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Acetone.
Odour threshold	No information available.
pH	ca. 5 - 6 (20 °C) Concentration: 39.5 %
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	Not applicable.
Evaporation rate	No information available.
Flammability (solid, gas)	Extremely flammable aerosol.

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<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Vapour pressure</b>	8300 hPa @ °C
<b>Vapour density</b>	No information available.
<b>Relative density</b>	No information available.
<b>Bulk density</b>	~ 0.65 g/cm <sup>3</sup> 23°C
<b>Solubility(ies)</b>	No information available.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	>240°C
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	0.32 mPa s @ 20°C
<b>Explosive properties</b>	No information available.
<b>Oxidising properties</b>	Not available.

### 9.2. Other information

**Other information** Not available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** See Section 10.3 (Possibility of hazardous reactions) for further information.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, no hazardous reactions will occur.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid** No information available.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** No decomposition is expected if stored and applied correctly.

## 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 dermal (LD<sub>50</sub> mg/kg)** 15,800.0

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<b>Species</b>	Rat
<b><u>Acute toxicity - inhalation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Eye Irrit. 2 Causes serious eye irritation.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Based on available data the classification criteria are not met.
<b><u>Germ cell mutagenicity</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Carcinogenicity</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Reproductive toxicity</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	STOT SE 3 May cause drowsiness or dizziness.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.
<b><u>Inhalation</u></b>	
<b>Inhalation</b>	Vapours may cause drowsiness and dizziness.
<b><u>Ingestion</u></b>	
<b>Ingestion</b>	May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.
<b><u>Skin contact</u></b>	
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b><u>Eye contact</u></b>	
<b>Eye contact</b>	Causes serious eye irritation.

### Toxicological information on ingredients.

#### Acetone

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 5,800.0

Species Rat

ATE oral (mg/kg) 5,800.0

##### Acute toxicity - dermal

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**Acute toxicity dermal (LD<sub>50</sub>)** 7,426.0 mg/kg)

**Species** Rabbit

**ATE dermal (mg/kg)** 7,426.0

### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 76.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 76.0

### Serious eye damage/irritation

**Summary** Causes serious eye irritation.

**Serious eye damage/irritation** Causes serious eye irritation. Draize test Rabbit

### Specific target organ toxicity - single exposure

**STOT - single exposure** May cause drowsiness or dizziness.

## SECTION 12: Ecological information

**Ecotoxicity** No data for this product is available.

### 12.1. Toxicity

#### Ecological information on ingredients.

#### Acetone

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 8800 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC10, 8 days: 530 mg/l, Microcystis aeruginosa (blue-green alga)

**Acute toxicity - microorganisms** EC10, 30 minutes: 1000 mg/l, Activated sludge

#### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 28 days: 2212 mg/l, Daphnia magna

### 12.2. Persistence and degradability

**Persistence and degradability** This product does not contain any tensides according to the definition in the EU Detergents Regulation (EU/648/2004) (>0.2%).

#### Ecological information on ingredients.

#### Acetone



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**Persistence and degradability**                      Readily biodegradable

**Biodegradation**                                      - Degradation 90.9%: 28 days

### 12.3. Bioaccumulative potential

**Bioaccumulative potential**                      No information available.

**Partition coefficient**                              No information available.

### Ecological information on ingredients.

#### Acetone

**Bioaccumulative potential**                      BCF: 3,

**Partition coefficient**                              log Pow: -0.24

### 12.4. Mobility in soil

**Mobility**    No data available.

### Ecological information on ingredients.

#### Acetone

**Adsorption/desorption coefficient**                      Soil - Kd: 1.5 L/kg @ 20°C

**Henry's law constant**                              2929 Pa m<sup>3</sup>/mol @ 25°C

### 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.

### 12.6. Other adverse effects

**Other adverse effects**                              Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods**                                      Empty containers must not be punctured or incinerated because of the risk of an explosion. Empty containers or liners may retain some product residues and hence be potentially hazardous. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses.

## 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

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Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

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

### Transport labels



### 14.4. Packing group

Not applicable.

### 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

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, UK SI 2019/720. The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020, UK SI 2020/1567.

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, UK SI 2019/758, UK SI 2019/858 and UK SI 2019/1144. The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, UK SI 2020/1577.

Control of Substances Hazardous to Health Regulations 2002 (as amended).  
Health and Safety at Work etc. Act 1974 (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

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**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).

**Guidance** Workplace Exposure Limits EH40.

**Seveso Directive - Control of major accident hazards** P3a Lower-tier 150 (net) tonnes Upper-tier 500 (net) tonnes.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ATE: Acute Toxicity Estimate.  
BCF: Bioconcentration Factor.  
CAS: Chemical Abstracts Service.  
DNEL: Derived No Effect Level.  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
GHS: Globally Harmonized System.  
IATA: International Air Transport Association.  
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).  
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
NOAEL: No Observed Adverse Effect Level.  
NOEC: No Observed Effect Concentration.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
SVHC: Substances of Very High Concern.  
vPvB: Very Persistent and Very Bioaccumulative.

**Classification abbreviations and acronyms**

Flam. Gas = Flammable gas  
Flam. Liq. = Flammable liquid  
Eye Irrit. = Eye irritation  
Press. Gas (Liq.) = Gas under pressure: Liquefied gas  
STOT SE = Specific target organ toxicity-single exposure

**Key literature references and sources for data** SDS from supplier. Source: European Chemicals Agency, <http://echa.europa.eu/>

**Classification procedures according to Regulation (EC) 1272/2008** Eye Irrit. 2 - H319, STOT SE 3 - H336: Calculation method.

## ARBOFOAM GUN CLEANER

<b>Revision comments</b>	Revised sections: 1, 2, 3, 4, 5, 6, 7, 8. 9, 10, 11, 12, 13, 14, 15, 16.
<b>Revision date</b>	30/06/2022
<b>Revision</b>	3
<b>Supersedes date</b>	23/05/2017
<b>SDS number</b>	10003
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and 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.

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.