

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : Parafoam Gun & Spray Cleaner  
Vaporizer : Aerosol

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use

#### 1.2.2. Uses advised against

No additional information available

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

DL CHEMICALS  
Roterijstraat 201-203  
B-8793 Waregem - Belgium  
T + 32 56 62 70 51 - F + 32 56 60 95 68  
[info@dl-chem.com](mailto:info@dl-chem.com) - [www.dl-chem.com](http://www.dl-chem.com)

### 1.4. Emergency telephone number

Emergency number : + 32 70 245 245

Country	Official advisory body	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222; H229

Serious eye damage/eye irritation, H319

Category 2

Specific target organ toxicity — Single exposure, Category 3, Narcosis H336

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



CLP Signal word : Danger

Hazardous ingredients : acetone

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

Precautionary statements (CLP) : 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.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50

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°C.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements

: EUH066 - Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetone; propan-2-one; propanone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	60 - <100	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
dimethyl ether (Note U)	(CAS-No.) 115-10-6 (EC-No.) 204-065-8 (EC Index-No.) 603-019-00-8 (REACH-no) 01-2119472128-37	20 - <40	Flam. Gas 1, H220 Press. Gas (Comp.), H280

Note U (Table 3): When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Take victim to fresh air, in a quiet place in an half laying position, do artificial respiration if necessary and urgently take medical advice.
- First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If necessary seek medical advice.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice (show the label where possible).
- First-aid measures after ingestion : If swallowed, seek medical advice immediately and show this container or label.

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

No additional information available

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : ABC-powder. Alcohol resistant foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use water.

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

Hazardous decomposition products in case of fire : Toxic fumes.

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### 5.3. Advice for firefighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray.  
Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.  
Other information : Prevent fire fighting water from entering the environment.

## SECTION 6: Accidental release measures

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

General measures : Stop leak if safe to do so.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip rescue crew with proper protection. Equip cleanup crew with proper protection.

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Do not absorb in saw-dust or other combustible absorbents.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep container tight closed.

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

Storage conditions : Store in a dry, cool and well-ventilated place.  
Heat and ignition sources : Store away from direct sunlight or other heat sources.  
Storage area : Keep away from food and drink.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

acetone; propan-2-one; propanone (67-64-1)		
EU	Local name	Acetone
EU	IOELV TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	500 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	3620 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	1500 ppm
dimethyl ether (115-10-6)		
EU	IOELV TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	1000 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	400 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	766 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	958 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	500 ppm

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### 8.2. Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment:

Face shield.

Hand protection:

Time of penetration is to be checked with the glove producer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves					EN ISO 374, EN 420

Eye protection:

Type	Use	Characteristics	Standard
Safety glasses	Droplet		EN 166

Skin and body protection:

Type	Standard
Chemical resistant safety shoes	EN ISO 20347 , EN ISO 20345, EN 13832-1
complete protective suit against chemicals	EN ISO 6529, EN ISO 6530, EN 464

Respiratory protection:

Where excessive vapour may result, wear approved mask



## SECTION 9: Physical and chemical properties

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

Physical state	: Aerosol
Molecular mass	: 58,1 g/mol
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 56 °C Aerosol propellant
Flash point	: -18 °C Aerosol propellant
Auto-ignition temperature	: 240 °C Aerosol propellant
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 24 kPa
Vapour pressure at 50 °C	: 81 kPa
Relative vapour density at 20 °C	: No data available
Relative density	: 0,791
Density	: 791 kg/m <sup>3</sup>
Solubility	: No data available

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Log Pow	: No data available
Viscosity, kinematic	: 0,41 cSt
Viscosity, dynamic	: 0,33 cP
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content	: 100 %
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat. Direct sunlight.

### 10.5. Incompatible materials

Strong acids, strong bases and oxidation agents.

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Organic compounds.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Danger of serious damage to health by prolonged exposure through inhalation

acetone; propan-2-one; propanone (67-64-1)	
LD50 oral rat	5800 mg/kg (OECD 401 method)
LD50 dermal rat	> 5000 mg/kg
LD50 dermal rabbit	> 15800 mg/kg
LC50 inhalation rat (mg/l)	76 mg/l/4h

dimethyl ether (115-10-6)	
LD50 oral	> 2000 mg/kg
LD50 dermal	> 2000 mg/kg
LC50 inhalation rat (mg/l)	308,5 mg/l

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Parafoam Gun & Spray Cleaner	
Vaporizer	Aerosol
Viscosity, kinematic	0,41 mm <sup>2</sup> /s

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

acetone; propan-2-one; propanone (67-64-1)	
LC50 fish 1	5540 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 Daphnia 1	8800 (6100 - 8800) mg/l Daphnia pulex
NOEC chronic algae	530 mg/l Microcystis aeruginosa

dimethyl ether (115-10-6)	
NOEC (acute)	48 h 4000 mg/l Daphnia Magna
NOEC (chronic)	96 h 4000 mg/l Poecilia reticulata

#### 12.2. Persistence and degradability

acetone; propan-2-one; propanone (67-64-1)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.

#### 12.3. Bioaccumulative potential

acetone; propan-2-one; propanone (67-64-1)	
Log Pow	-0,24
Bioaccumulative potential	Bioaccumulation unlikely.

#### 12.4. Mobility in soil

acetone; propan-2-one; propanone (67-64-1)	
Surface tension	23,7 mN/m
Ecology - soil	Soluble in water.

dimethyl ether (115-10-6)	
Surface tension	0,001136 N/m

#### 12.5. Results of PBT and vPvB assessment

Component	
acetone; propan-2-one; propanone (67-64-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Handle uncleaned empty containers as full ones.

European List of Waste (LoW) code : 16 05 04\* - gases in pressure containers (including halons) containing dangerous substances

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HP Code	: HP3 - "Flammable:" — flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and 75 °C; — flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air; — flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction; — flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa; — water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities; — other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste. HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye. HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
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### SECTION 14: Transport information

In accordance with ADR

<b>ADR</b>
<b>14.1. UN number</b>
1950
<b>14.2. UN proper shipping name</b>
AEROSOLS
UN 1950 AEROSOLS, 2.1, (D)
<b>14.3. Transport hazard class(es)</b>
2.1

<b>14.4. Packing group</b>
Not applicable
<b>14.5. Environmental hazards</b>
Dangerous for the environment : No
No supplementary information available

#### 14.6. Special precautions for user

- Overland transport	
Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	acetone; propan-2-one; propanone
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	acetone; propan-2-one; propanone
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	acetone; propan-2-one; propanone ; dimethyl ether

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 100 %

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

### SECTION 16: Other information

Full text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas (Comp.)	Gases under pressure : Compressed gas
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

MSDS Reach Annex II DL-Chem

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.