

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

### 1.1. Product identifier

Name of product Hand Protective Foam Spray

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

Recommended intended purpose(s)

Technical Aerosols

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

Premier Farnell plc

150 Armley Road, Leeds, LS12 2QQ

+44 (0) 8701 202530

### 1.4. Emergency telephone number

+44 1865 407333

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Hazard classes and Hazard categories Hazard Statements Classification procedure

**Aerosol 3**

#### Hazard Statements

Pressurised container: May burst if heated.

### 2.2. Label elements

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

#### Signal word

Warning

#### Hazard Statements

Pressurised container: May burst if heated.

#### 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.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/container to hazardous or special waste collection point.

#### Special rules for supplemental label elements for certain mixtures

Contains 11,7% flammable substances.

### 2.3. Other hazards

Information pertaining to special dangers for human and environment

Although this product is not subject to reporting requirements for hazardous products, we recommend compliance with the safety recommendations.

## Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Description

Preparation of propellant and a mixture of stearate, propylene glycol, glycerole, liposomes, water and process materials.

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
75-28-5	200-857-2	isobutane	1 - 10	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane	1 - 10	Flam. Gas 1, H220 / Press. Gas
74-98-6	200-827-9	propane	1 - 10	Flam. Gas 1, H220 / Press. Gas, H280

#### REACH

CAS No	Name	REACH registration number
75-28-5	isobutane	01-2119485395-27
106-97-8	butane	01-2119474691-32
74-98-6	propane	01-2119486944-21

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Not required

#### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

#### In case of skin contact

No special measure necessary.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Seek medical advice.

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

No information available.

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

No information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

#### Unsuitable extinguishing media

Full water jet

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

Danger of bursting

In case of fire formation of dangerous gases possible.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

#### Additional information

Cool endangered containers with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Remove persons to safety.

Keep away sources of ignition.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Disposal according to regulations.

Take up with absorbent material.

#### Additional Information

Sort out leaky cans and dispose according to regulations.

### 6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

No special measures necessary if used correctly.

## General protective measures

Do not inhale gases/vapours/aerosols.  
Avoid contact with the eyes.

## Hygiene measures

At work do not eat, drink and smoke.  
Wash hands before breaks and after work.

## Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking  
Do not spray on a naked flame or any incandescent material.  
Pressurized container.  
Do not pierce or burn even after use.  
Avoid effect of heat.

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

### Requirements for storage rooms and vessels

Keep in closed original container.  
Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

### Further information on storage conditions

Keep container in a well-ventilated place  
Storage temperature may not exceed 50°C (=122°F).  
Recommended storage temperature: room temperature.

## 7.3. Specific end use(s)

### Recommendation(s) for intended use

See section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
106-97-8	Butane 8	8 hours	1450	600	EH40/2005
		Short-term	1810	750	
75-28-5	iso-Butan (CH)	MAK, 8 hours	7600	3200	ZNS
		Short-term	1900	800	

### Additional advice

The statutory local and national regulations have to be observed.

### 8.2. Exposure controls

#### Respiratory protection

Not required

#### Hand protection

Not required

#### Eye protection

Not required

## Other protection measures

Not required

## Appropriate engineering controls

Sufficient ventilation and exhaustion.

## SECTION 9: Physical and chemical properties

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

Appearance	Colour	Odour
Aerosol	light beige	Characteristic

#### Odour threshold

not determined

#### Important health, safety and environmental information

Value	Temperature	at Method	Remark
pH value	not determined		
Boiling point	not applicable		
Melting point / Freezing point	not determined		
Flash point	> 55 °C		
Vapourisation rate	not applicable		
Flammable (solid)	not applicable		
Flammability (gas)	not determined		
Ignition temperature	365 °C		
Self ignition temperature			The product is not self-igniting.
Lower explosion limit	not determined		
Upper explosion limit	not determined		
Vapour pressure	6500 hPa	20 °C	
Relative density	0,92 g/cm <sup>3</sup>	20 °C	
Vapour density	not determined		
Solubility in water			miscible
Solubility/other	not determined		
Partition coefficient noctanol/water (log P O/W)	not determined		
Decomposition temperature	not determined		
Viscosity	not determined		
Solvent content	12,13 %		

#### Oxidising properties

No information available.

#### Explosive properties

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

### 9.2. Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

Keep away from heat.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

Thermal decomposition

Remark No decomposition if used as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

Value/Validation	Species	Method	Remark
<b>Skin irritation</b>	non-irritant		
<b>Eye irritation</b>	non-irritant		
<b>Skin sensitization</b>	non-sensitizing		

#### Experiences made from practice

Swallowing may cause vomiting and diarrhoea.

Inhalation causes impairment of sense of coordination and response time.

#### Additional information

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

## SECTION 12: Ecological information

### 12.1. Toxicity

No information available.

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6. Other adverse effects

### General regulation

Do not allow uncontrolled leakage of product into the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste code No.	Name of waste
15 01 04	metallic packaging
15 01 10*	packaging containing residues of or contaminated by hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

### Recommendations for the product

Remove in accordance with local official regulations.

### Recommendations for packaging

Dispose of according to the local waste regulations.

### Recommended cleansing agent

Water

### General information

For proper waste disposal a complete emptying of the tin is necessary.

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name	AEROSOLS	AEROSOLS	Aerosols, non-flammable
14.4. Packing group	-	-	-
14.5. Environmental hazards	No	No	No

### 14.6. Special precautions for user

Caution: Gases

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

### Land and inland navigation transport ADR/RID

Hazard label(s) 2.2

tunnel restriction code E

Classification code 5A

transport in "limited quantities" according to 3.4 ADR is possible

### Transport/further information

Marine pollutant: NO

## SECTION 15: Regulatory information

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

#### VOC standard

VOC content 12,13 %  
VOC value ca.92 g/L

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

For industrial use only.

### Further information

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer --- Our safety data sheets have been compiled according to effective EUDirectives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: = Data changed compared with the previous version. Previous version: 8.7

H220 Extremely flammable gas.  
H280 Contains gas under pressure; may explode if heated.

<b>Part Number</b>
MP004343

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