

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

### 1.1 Product identifier

Trade name: Upholstery cleaner foam

This safety data sheet pertains to the following products:  
148017 = Upholstery cleaner foam

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

General use: Cleaning agent.  
For commercial user only.

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

Company name: Berner Produkten b.v.

Street/POB-No.: Vogelzankweg 175

Postal Code, city: 6374 AC Landgraaf  
Netherlands

WWW: [www.berner.nl](http://www.berner.nl)

E-mail: [info@berner.nl](mailto:info@berner.nl)

Telephone: +31 45 53 39 133

Department responsible for information:

E-mail: [Productsafety.Chemicals@berner-group.com](mailto:Productsafety.Chemicals@berner-group.com)

### 1.4 Emergency telephone number

**Poisons information service:**

**National Poisons Information Service (Birmingham Unit): 844 892 0111**

**Transport:**

**CONSULTANK Lutz Harder GmbH (Contract Qualisys/Berner)**

**Telephone: +49 (178) 4337434 (from USA: 01149 178 4337434)**

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to EC regulation 1272/2008 (CLP)

Aerosol 1; H222; H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Eye Irrit. 2; H319 Causes serious eye irritation.

### 2.2 Label elements

#### Labelling (CLP)



Signal word:

**Danger**

Hazard statements:

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H319

Causes serious eye irritation.

Precautionary statements:	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. P280 Wear protective gloves/protective clothing/eye 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. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
---------------------------	--

### 2.3 Other hazards

Potentially explosive mixtures may form if adequate ventilation is not provided.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: Blend of active ingredients with propellant.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119457558-25-xxxx EC No. 200-661-7 CAS 67-63-0	Isopropyl alcohol Flam. Liq. 2; H225. Eye Irrit. 2; H319. STOT SE 3; H336.	< 20 %
EC No. 215-647-6 CAS 1336-21-6	Ammonia solution Acute Tox. 4; H302. Skin Corr. 1B; H314. STOT SE 3; H335. Aquatic Acute 1; H400. Specific concentration limits (SCL): STOT SE 3; H335: C ≥ 5 %	< 1 %
REACH 01-2119527780-39-xxxx EC No. 205-281-5 CAS 137-16-6	Sodium N-lauroylsarcosinate Acute Tox. 3; H331. Skin Irrit. 2; H315. Eye Dam. 1; H318. Specific concentration limits (SCL): Acute Tox. 2; H330 C ≥ 34,5%	< 1 %
REACH 01-2119486944-21-xxxx EC No. 200-827-9 CAS 74-98-6	Propane Flam. Gas 1; H220. Press. Gas (Comp.); H280.	< 20 %
REACH 01-2119474691-32-xxxx EC No. 203-448-7 CAS 106-97-8	n-Butane, <0,1% Butadiene Flam. Gas 1; H220. Press. Gas (Comp.); H280.	< 5 %
REACH 01-2119485395-27-xxxx EC No. 200-857-2 CAS 75-28-5	i-Butane, <0,1% Butadiene Flam. Gas 1; H220. Press. Gas (Comp.); H280.	< 2.5 %

Full text of H- and EUH-statements: see section 16.

Additional information: Labelling for contents according to regulation (EC) No 648/2004, annex VII:  
 Contains:  
 - 5% or over but less than 15%: aliphatic hydrocarbons  
 - less than 5%: anionic surfactants, perfumes ( Citral, D-Limonene)

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

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

Causes serious eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Extinguishing powder, Foam, carbon dioxide.  
Co-ordinate fire-fighting measures to the fire surroundings.

Extinguishing media which must not be used for safety reasons:

Full water jet

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

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Hazchem-Code: -

Heating will lead to pressure increase: Danger of bursting and explosion. Use fine water spray to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Do not allow fire water to penetrate into surface or ground water.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

## SECTION 6: Accidental release measures

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

Do not breathe vapours and spray. Avoid contact with the substance.

In case of leakage, eliminate all ignition sources. Provide adequate ventilation.

Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Keep unprotected people away.

Cordon off downwind area at risk and warn inhabitants.

## 6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. Danger of explosion!  
In case of release, notify competent authorities.

## 6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

Thoroughly clean surrounding area.

In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

## 6.4 Reference to other sections

Refer additionally to section 8 and 13.

# SECTION 7: Handling and storage

## 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe vapours and spray. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Have eye wash bottle or eye rinse ready at work place. When handling large quantities, supply emergency spray.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.  
Keep container dry. Keep only in the original container.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
Store containers in upright position.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

## 7.3 Specific end use(s)

No information available.

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
67-63-0	Isopropyl alcohol	Great Britain: WEL-STEL	1250 mg/m <sup>3</sup> ; 500 ppm
		Great Britain: WEL-TWA	999 mg/m <sup>3</sup> ; 400 ppm
1336-21-6	Ammonia solution	Great Britain: WEL-STEL	25 mg/m <sup>3</sup> ; 35 ppm
		Great Britain: WEL-TWA	18 mg/m <sup>3</sup> ; 25 ppm
106-97-8	n-Butane, <0,1% Butadiene	Great Britain: WEL-STEL	1810 mg/m <sup>3</sup> ; 750 ppm
		Great Britain: WEL-TWA	1450 mg/m <sup>3</sup> ; 600 ppm

## 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection:	Respiratory protection must be worn whenever the WEL levels have been exceeded. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
Hand protection:	Protective gloves according to EN 374. Glove material: Nitrile rubber - Layer thickness: $\geq 0.7$ mm. Breakthrough time: $\geq 240$ min. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
Eye protection:	Tightly sealed goggles according to BS EN ISO 16321-1:2022.
Body protection:	Flame retardant, antistatic and chemical resistant protective clothing.
General protection and hygiene measures:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Do not breathe vapours and spray. Do not get in eyes, on skin, or on clothing. When using do not eat or drink. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place. When handling large quantities, supply emergency spray.

### Environmental exposure controls

Refer to "6.2 Environmental precautions".

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Form: Aerosol Colour: white
Odour:	Fruity
Odour threshold:	Not determined
pH:	at 20 °C: $\leq 11.5$
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	$\leq 0$ °C
Flash point/flash point range:	Not applicable
Evaporation rate:	Not applicable
Flammability:	No data available
Explosion limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Density:	0.92608 g/cm <sup>3</sup>
Water solubility:	Slightly miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No decomposition when used properly.
Viscosity, kinematic:	No data available

Explosive properties: Vapours can form explosive mixtures with air.  
Oxidizing characteristics: No data available

## 9.2 Other information

Ignition temperature: > 200 °C  
Solvent content: 22.5 %  
Solid content: 0.0 %  
Water content: 75.7 %

# SECTION 10: Stability and reactivity

## 10.1 Reactivity

Extremely flammable aerosol  
Vapours can form explosive mixtures with air.

## 10.2 Chemical stability

Stable under recommended storage conditions.

## 10.3 Possibility of hazardous reactions

Pressurised container: May burst if heated.

## 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

## 10.5 Incompatible materials

No data available

## 10.6 Hazardous decomposition products

Aldehydes  
Thermal decomposition: No decomposition when used properly.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

ATEmix (acute toxicity estimate): > 20 mg/L

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

Serious eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: Based on available data, the classification criteria are not met.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

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

Other information:

Information about Isopropyl alcohol:

LD50 Rat, oral: 5,045 mg/kg

LD50 Rabbit, dermal: 12,800 mg/kg

LD50 Rat, inhalative: 30 mg/L

Information about Propane:

LC50, Rat, inhalative: >20 mg/L/4h

Information about Butane:

LC50, Rat, inhalative: 658 mg/L/4h

Information about Isobutane:

LC50, Rat, inhalative: 658 mg/L/4h

Information about Ammonia solution:

LD50, Rat, oral: 350 mg/kg

LC50, Rat, inhalative: 7.6 mg/L/4h

Information about Sodium N-lauroylsarcosinate:

LD50 Rat, oral: > 2,000 mg/kg (OECD 401)

LC50 Rat, inhalative: 1 - 5 mg/L/4h (OECD 403)

### Symptoms

After eye contact: Upon direct contact with eyes may cause burning, tearing, redness.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity: Harmful effects on water organisms by modification of pH-value.

### 12.2 Persistence and degradability

Further details: No data available

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information:

Do not allow to enter into ground-water, surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number:

16 05 04\* = Gases in pressure containers (including halons) containing hazardous substances/Aerosol

\* = Evidence for disposal must be provided.

Recommendation:

Do not pierce or burn, even after use.

Special waste. Dispose of waste according to applicable legislation.

Do not dispose of with household waste.

#### Package

Waste key number:

15 01 04 = metallic packaging

Recommendation:

Dispose of waste according to applicable legislation.

Empty carefully and completely, if possible. Handle empty containers with care. Incineration may cause explosion.

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID, IMDG, IATA-DGR: UN 1950

### 14.2 UN proper shipping name

ADR/RID, IMDG: UN 1950, AEROSOLS

IATA-DGR: UN 1950, AEROSOLS, FLAMMABLE

### 14.3 Transport hazard class(es)

ADR/RID: Class 2, Code: 5F

IMDG: Class 2.1, Subrisk 6.1

IATA-DGR: Class 2.1

### 14.4 Packing group

ADR/RID, IATA-DGR: not applicable

IMDG: -

### 14.5 Environmental hazards

Marine pollutant:

no





## 14.6 Special precautions for user

### Land transport (ADR/RID)

Warning board:	RID: Kemmler-number 23, UN number UN 1950
Hazard label:	2.1
Special Provisions:	190 327 344 625
Limited quantities:	1 L
EQ:	E0
Package - Instructions:	P207 LP200
Package - Special Provisions:	PP87 RR6 L2
Special provisions for packing together:	MP9
Tunnel restriction code:	D

### Sea transport (IMDG)

EmS:	F-D, S-U
Special Provisions:	63 190 277 327 344 381 959
Limited quantities:	120 mL
Excepted quantities:	E0
Package - Instructions:	P207, LP200
Package - Provisions:	PP87, L2
IBC - Instructions:	-
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	-
Tank instructions - Provisions:	-
Properties and observations:	-
Segregation group:	none

### Air transport (IATA)

Hazard label:	Flamm. gas
Excepted Quantity Code:	E0
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft:	Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg
Cargo Aircraft only:	Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg
Special Provisions:	A145 A167 A802
Emergency Response Guide-Code (ERG):	10L

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

No data available

## SECTION 15: Regulatory information

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

#### National regulations - Great Britain

Hazchem-Code: -  
No data available

#### National regulations - EC member states

Further regulations, limitations and legal requirements:  
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]  
Physical hazards: Code P3a, Quantity threshold 150 000 kg / 500 000 kg  
Use restriction according to REACH annex XVII, no.: 3, 40, 75  
Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: P3a

## 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

### Further information

Wording of the H-phrases under paragraph 2 and 3:

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.  
H302 = Harmful if swallowed.  
H314 = Causes severe skin burns and eye damage.  
H315 = Causes skin irritation.  
H318 = Causes serious eye damage.  
H319 = Causes serious eye irritation.  
H331 = Toxic if inhaled.  
H335 = May cause respiratory irritation.  
H336 = May cause drowsiness or dizziness.  
H400 = Very toxic to aquatic life.

Abbreviations and acronyms:

Acute Tox.: Acute toxicity  
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  
Aerosol: Aerosol  
Aquatic Acute: Hazardous to the aquatic environment - acute  
AS/NZS: Australian Standards/New Zealand Standards  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
CLP: Classification, Labelling and Packaging  
DMEL: Derived minimal effect level  
DNEL: Derived no-effect level  
EC: European Community  
EN: European Standard  
EQ: Excepted quantities  
EU: European Union  
Eye Dam.: Eye damage  
Eye Irrit.: Eye irritation  
Flam. Gas: Flammable gases  
Flam. Liq.: Flammable liquid  
IATA: International Air Transport Association  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG Code: International Maritime Dangerous Goods Code  
LC50: Median lethal concentration  
LD50: Lethal dose 50%  
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships  
OEL: Occupational Exposure Limit Value  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, bioaccumulative and toxic  
PNEC: Predicted no-effect concentration  
Press. Gas: Gases under pressure  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail  
Skin Corr.: Skin corrosion  
Skin Irrit.: Skin irritation  
STOT SE: Specific target organ toxicity - single exposure  
TLV: Threshold Limit Value  
TRGS: Technical Rules for Hazardous Substances  
UN: United Nations  
vPvB: Very persistent and very bioaccumulative  
WEL: Workplace Exposure Limit

Reason of change: **General revision**

Date of first version: **21/10/2021**

### Department issuing data sheet

Contact person: **see section 1: Department responsible for information**

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.