

# Safety Data Sheet

# haupa®

HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

## Multi-Schaum "HUPcleanMulti" Aerosol 500ml

Print date: 23.03.2016

Product code: 170104

Page 1 of 10

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

#### 1.1. Product identifier

Multi-Schaum "HUPcleanMulti" Aerosol 500ml

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

##### Use of the substance/mixture

Cleaning agent.

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

Company name:	HAUPA GmbH & Co.KG	
Street:	Königstraße 165-169	
Place:	D-42853 Remscheid	
Telephone:	+49 (2191) 84 18-0	Telefax: +49 (2191) 84 18 840
e-mail:	sales@haupa.com	
Contact person:	Jochen Husli	Telephone: +49 (2191) 84 18-0
e-mail:	jochen.husli@haupa.com	
Internet:	www.haupa.com	
Responsible Department:	Sicherheitsdatenblätter / Datenmanagement	

#### 1.4. Emergency telephone number:

Die Nummer der Gesellschaft ist nur zu Bürozeiten besetzt: +49 (2191) 84 18-0(7:00 - 16:30 Uhr)

### SECTION 2: Hazards identification

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

##### Regulation (EC) No. 1272/2008

Hazard categories:

Aerosol: Aerosol 1

Acute toxicity: Acute Tox. 4

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Harmful if inhaled.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether  
sodium N-lauroylsarcosinate

Signal word: Danger

Pictograms:



##### Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H332	Harmful if inhaled.

##### Precautionary statements

P210 smoking.	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.

# Safety Data Sheet



HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

## Multi-Schaum "HUPcleanMulti" Aerosol 500ml

Print date: 23.03.2016

Product code: 170104

Page 2 of 10

P271 Use only outdoors or in a well-ventilated area.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### Special labelling of certain mixtures

EUH208 Contains Orange terpenes, citral. May produce an allergic reaction.

### Additional advice on labelling

The product is classified and labelled according to EC directives or corresponding national laws.

### 2.3. Other hazards

Processing vapours can irritate the respiratory tracts, skin and eyes.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture related information

#### Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
68476-40-4	Hydrocarbons, C3-4; Petroleum gas	5 - < 15 %
	270-681-9	649-199-00-1
	01-2119486557-22	
	Flam. Gas 1; H220	
64-17-5	ethanol, ethyl alcohol	5 - < 15 %
	200-578-6	603-002-00-5
	01-2119457610-43	
	Flam. Liq. 2; H225	
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	< 1 %
	203-905-0	603-014-00-0
	02-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302 H312 H332 H315 H319	
137-16-6	sodium N-lauroylsarcosinate	< 0,25 %
	205-281-5	01-2119527780-39
	Acute Tox. 1, Skin Irrit. 2, Eye Dam. 1; H330 H315 H318	
8028-48-6	Orange terpenes	0,1 - < 0,25 %
	232-433-8	01-2119493353-35
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H304 H400 H410	
1336-21-6	Ammonia ... %	< 0,1 %
	215-647-6	007-001-01-2
	01-2119488876-14	
	Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 1); H314 H400	
5392-40-5	citral	< 0,1 %
	226-394-6	605-019-00-3
	01-2119462829-23	
	Skin Irrit. 2, Skin Sens. 1; H315 H317	

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

#### Labelling for contents according to Regulation (EC) No 648/2004

15 % - 30 % aliphatic hydrocarbons, perfumes (Limonene, Citral).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Multi-Schaum "HUPcleanMulti" Aerosol 500ml**

Print date: 23.03.2016

Product code: 170104

Page 3 of 10

**General information**

Remove contaminated, saturated clothing immediately.

**After inhalation**

Provide fresh air. Seek medical attention if problems persist.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.

**After contact with eyes**

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

**After ingestion**

Caution if victim vomits: Risk of aspiration! Medical treatment necessary.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

**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**

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Foam.

**Unsuitable extinguishing media**

High power water jet.

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

In case of fire and/or explosion do not breathe fumes.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Contaminated fire-fighting water must be collected separately. Co-ordinate fire-fighting measures to the fire surroundings.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

**6.4. Reference to other sections**

Take up mechanically, placing in appropriate containers for disposal.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas. Keep away from sources of ignition. - No smoking. Flammable vapours can accumulate in head space of closed systems.

**Advice on protection against fire and explosion**

Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

# Safety Data Sheet



HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

## Multi-Schaum "HUPcleanMulti" Aerosol 500ml

Print date: 23.03.2016

Product code: 170104

Page 4 of 10

### Further information on handling

Heating causes rise in pressure with risk of bursting.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

#### Further information on storage conditions

Protect against: heat. UV-radiation/sunlight.

### 7.3. Specific end use(s)

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
7664-41-7	Ammonia, anhydrous	25	18		TWA (8 h)	WEL
		35	25		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

#### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid	240 mmol/mol	urine	Post shift

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
64-17-5	ethanol, ethyl alcohol			
	Consumer DNEL, long-term	oral	systemic	87 mg/kg bw/day
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether			
	Consumer DNEL, acute	oral	systemic	13,4 mg/kg bw/day
8028-48-6	Orange terpenes			
	Consumer DNEL, long-term	oral	systemic	4,44 mg/kg bw/day

## Multi-Schaum "HUPcleanMulti" Aerosol 500ml

Print date: 23.03.2016

Product code: 170104

Page 5 of 10

**PNEC values**

CAS No	Substance	Value
Environmental compartment		
64-17-5	ethanol, ethyl alcohol	
Micro-organisms in sewage treatment plants (STP)		580 mg/l
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	
Freshwater		8,8 mg/l
8028-48-6	Orange terpenes	
Soil		0,261 mg/kg

**8.2. Exposure controls****Protective and hygiene measures**

Work in well-ventilated zones or use proper respiratory protection. Do not eat, drink, smoke or sneeze at the workplace.

**Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

Protect skin by using skin protective cream.  
Suitable gloves type: NBR (Nitrile rubber).  
Thickness of glove material: 0,45mm  
penetration time (maximum wearing period): 240min

**Skin protection**

Body protection: not required.

**Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filter respirator (DIN EN 147). AX

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: Aerosol  
Colour: colourless  
Odour: lemon.

**Test method**

pH-Value (at 20 °C): 10 - 11

**Changes in the physical state**

Lower explosion limits: 1,5 vol. %  
Upper explosion limits: 9,5 vol. %  
Ignition temperature: > 400 °C  
Density (at 20 °C): 0,915 g/cm<sup>3</sup>  
Water solubility: completely miscible  
Solvent content: No data available

**9.2. Other information**

Solid content: No data available

## Multi-Schaum "HUPcleanMulti" Aerosol 500ml

Print date: 23.03.2016

Product code: 170104

Page 6 of 10

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data available

**10.2. Chemical stability**

No data available

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

Ignition hazard.

**10.5. Incompatible materials**

No data available

**10.6. Hazardous decomposition products**

Thermal decomposition can lead to the escape of irritating gases and vapors.

**Further information**

Danger of bursting container. &gt;50°C

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

Harmful if inhaled.

**ATEmix calculated**

ATE (inhalative vapour) 13,99 mg/l; ATE (inhalative aerosol) 2,781 mg/l

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
64-17-5	ethanol, ethyl alcohol				
	oral	LD50	6200 mg/kg	Rat	IUCLID
	inhalative (4 h) vapour	LC50	95,6 mg/l	Rat	RTECS
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether				
	oral	LD50	470 mg/kg	Rat	
	dermal	ATE	1100 mg/kg		
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
137-16-6	sodium N-lauroylsarcosinate				
	oral	LD50	> 2000 mg/kg	Rat	
	inhalative vapour	LC50	0,05 - 0,5 mg/l		
	inhalative aerosol	ATE	0,005 mg/l		
8028-48-6	Orange terpenes				
	oral	LD50	5700 mg/kg	Rat	
	dermal	LD50	2000 mg/kg	Rabbit	

**Irritation and corrosivity**

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

**Sensitising effects**

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

## Multi-Schaum "HUPcleanMulti" Aerosol 500ml

Print date: 23.03.2016

Product code: 170104

Page 7 of 10

**STOT-single exposure**

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

**Severe effects after repeated or prolonged exposure**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**Aspiration hazard**

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

**SECTION 12: Ecological information****12.1. Toxicity**

Leakage into the environment must be prevented.

CAS No	Chemical name		Method	Dose	[h]   [d]	Species	Source
	Aquatic toxicity						
64-17-5	ethanol, ethyl alcohol						
	Acute crustacea toxicity	EC50 mg/l	9268 - 14221	48 h	Daphnia magna	IUCLID	
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether						
	Acute fish toxicity	LC50	1490 mg/l	96 h	Lepomis macrochirus		
1336-21-6	Ammonia ... %						
	Acute fish toxicity	LC50	0,53 mg/l	96 h	Onchorhynchus mykiss		
	Acute crustacea toxicity	EC50	24 mg/l	48 h	Daphnia magna		

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	0,81 (25°C)
1336-21-6	Ammonia ... %	-1,38

**12.4. Mobility in soil**

No data available

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

No data available

**12.6. Other adverse effects**

No data available

**Further information**

Doesn't get into the sewage water as long as the process is carried out according to regulations.  
slightly hazardous to water (WGK 1)

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

# Safety Data Sheet

# haupa®

HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

## Multi-Schaum "HUPcleanMulti" Aerosol 500ml

Print date: 23.03.2016

Product code: 170104

Page 8 of 10

### Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances  
Classified as hazardous waste.

### Waste disposal number of used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances  
Classified as hazardous waste.

### Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

### Contaminated packaging

Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Transport category: 2  
Tunnel restriction code: D

### Other applicable information (land transport)

E0

### Inland waterways transport (ADN)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L

### Other applicable information (inland waterways transport)

E0

### Marine transport (IMDG)



## Safety Data Sheet

haupa®

HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006


### Multi-Schaum "HUPcleanMulti" Aerosol 500ml

Print date: 23.03.2016

Product code: 170104

Page 9 of 10

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1




Special Provisions: 63, 190, 277, 327, 344, 959  
Limited quantity: 1000 mL  
EmS: F-D, S-U

**Other applicable information (marine transport)**  
E0

#### Air transport (ICAO)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1



Special Provisions: A145 A167 A802  
Limited quantity Passenger: 30 kg G  
IATA-packing instructions - Passenger: 203  
IATA-max. quantity - Passenger: 75 kg  
IATA-packing instructions - Cargo: 203  
IATA-max. quantity - Cargo: 150 kg

**Other applicable information (air transport)**  
E0  
: Y203

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

No data available

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

#### Other applicable information

Transport as "limited quantity" according to chapter 3.4 ADR/RID.

### SECTION 15: Regulatory information

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

##### EU regulatory information

2004/42/EC (VOC): VOC-value (in g/L): 219  
Volatile organic compounds (VOC) content in percent by weight: 23,8

##### National regulatory information

## Safety Data Sheet



HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

### Multi-Schaum "HUPcleanMulti" Aerosol 500ml

Print date: 23.03.2016

Product code: 170104

Page 10 of 10

Water contaminating class (D): 1 - slightly water contaminating

#### **15.2. Chemical safety assessment**

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

#### **SECTION 16: Other information**

##### **Relevant H and EUH statements (number and full text)**

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains Orange terpenes, citral. May produce an allergic reaction.

##### **Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*