

Safety Data Sheet

haupa®

HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 1 of 13

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

1.1. Product identifier

Aluminium-Spray "HUPalu" Aerosol 400ml

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

Use of the substance/mixture

Paint, Varnish.

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

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

acetone; propan-2-one; propanone

ethyl acetate

propan-2-ol; isopropyl alcohol; isopropanol

n-butyl acetate

Signal word:

Danger

Pictograms:



Hazard statements

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

Safety Data Sheet



HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 2 of 13

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

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.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Additional advice on labelling

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

2.3. Other hazards

Do not breathe aerosol.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Safety Data Sheet



HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 3 of 13

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68606-25-7	Hydrocarbons, C2-4; Petroleum gas			1 - 30 %
	271-734-9	649-093-00-5		
	Flam. Gas 1; H220			
67-64-1	acetone; propan-2-one; propanone			10 - < 25 %
	200-662-2	606-001-00-8	01-2119471330-49	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol			10 - < 25 %
	204-626-7	603-016-00-1	01-2119473975-21	
	Eye Irrit. 2; H319			
1330-20-7	xylene			2,5 - < 10 %
	215-535-7	601-022-00-9	01-2119486136-34	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H312 H332 H315 H319 H335 H373 H304			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			2,5 - < 10 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
123-86-4	n-butyl acetate			2,5 - < 10 %
	204-658-1	607-025-00-1	01-2119485493-29	
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether			2,5 - < 10 %
	203-539-1	603-064-00-3	01-2119457435-35	
	Flam. Liq. 3, STOT SE 3; H226 H336			
7429-90-5	aluminium powder (stabilised)			2,5 - < 10 %
	231-072-3	013-002-00-1	01-2119529243-45	
	Flam. Sol. 1, Water-react. 2; H228 H261			
141-78-6	ethyl acetate			2,5 - < 10 %
	205-500-4	607-022-00-5	01-2119475103-46	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
64742-94-5	Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom.			2,5 - < 10 %
	265-198-5	649-424-00-3	01-2119510128-50	
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066			

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

Further Information

Full text of R-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 4 of 13

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

The following symptoms may occur: difficulties of breathing. Headache.

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

Caution if victim vomits: Risk of aspiration! In all cases of doubt, or when symptoms persist, seek medical advice.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). 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

Treat the recovered material as prescribed in the section on waste 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.

Further information on handling

Heating causes rise in pressure with risk of bursting.

Safety Data Sheet



HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 5 of 13

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.

Advice on storage compatibility

No data available

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 ³	fibres/ml	Category	Origin
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	WEL
		150	560		STEL (15 min)	WEL
123-42-2	4-Hydroxy-4-methyl-pentan-2-one	50	241		TWA (8 h)	WEL
		75	362		STEL (15 min)	WEL
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
7429-90-5	Aluminium metal, respirable dust	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

Safety Data Sheet



HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 6 of 13

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
67-64-1	acetone; propan-2-one; propanone			
Consumer DNEL, long-term		oral	systemic	62 mg/kg bw/day
1330-20-7	xylene			
Consumer DNEL, long-term		oral	systemic	1,6 mg/kg bw/day
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			
Consumer DNEL, long-term		oral	systemic	26 mg/kg bw/day
123-86-4	n-butyl acetate			
Consumer DNEL, long-term		dermal	systemic	3,4 mg/kg bw/day
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether			
Consumer DNEL, long-term		oral	systemic	3,3 mg/kg bw/day
141-78-6	ethyl acetate			
Consumer DNEL, long-term		oral	systemic	4,5 mg/kg bw/day

PNEC values

CAS No	Substance	Value
67-64-1	acetone; propan-2-one; propanone	
Air		21 mg/l
1330-20-7	xylene	
Air		0,327 mg/l
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	
Micro-organisms in sewage treatment plants (STP)		2251 mg/l
123-86-4	n-butyl acetate	
Micro-organisms in sewage treatment plants (STP)		35,6 mg/l
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	
Micro-organisms in sewage treatment plants (STP)		100 mg/l
141-78-6	ethyl acetate	
Freshwater		0,26 mg/l

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.

Hand protection: Butyl rubber.

Thickness of glove material: 0,7mm

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 7 of 13

penetration time (maximum wearing period): 60 min

Skin protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filter respirator (DIN EN 147). AX/P2

Environmental exposure controls

No data available

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

Physical state:	Aerosol
Colour:	silver
Odour:	characteristic

Test method**Changes in the physical state**

Lower explosion limits:	0,8 vol. %
Upper explosion limits:	15 vol. %
Density (at 20 °C):	0,89 g/cm ³
Solvent content:	69,88

9.2. Other information

Solid content:	No data available
----------------	-------------------

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

Oxidizing agents, strong.

10.6. Hazardous decomposition products

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

Further information

In case of exceeding the storage temperature: Danger of bursting container.

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

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

Safety Data Sheet



HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 8 of 13

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
67-64-1	acetone; propan-2-one; propanone				
	oral	LD50	5800 mg/kg	Rat	RTECS
	dermal	LD50	20000 mg/kg	Rabbit	IUCLID
	inhalative (4 h) vapour	LC50	76 mg/l	Rat	
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol				
	oral	LD50	2520 mg/kg	Rat	
	dermal	LD50	13630 mg/kg	Rabbit	
1330-20-7	xylene				
	oral	LD50	8700 mg/kg	Rat	
	dermal	LD50	2000 mg/kg	Rat	
	inhalative vapour	ATE	11 mg/l		
	inhalative (4 h) aerosol	LC50	10 - 20 mg/l	Rat	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50	4570 mg/kg	Rat	
	dermal	LD50	13400 mg/kg	Rabbit	
	inhalative (4 h) aerosol	LC50	30 mg/l	Rat	
123-86-4	n-butyl acetate				
	oral	LD50	> 8800 mg/kg	Rat	
	dermal	LD50	> 5000 mg/kg	Rabbit	
	inhalative (4 h) aerosol	LC50	> 21 mg/l	Rat	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
	oral	LD50	> 5000 mg/kg	Rat	IUCLID
	dermal	LD50	11000 mg/kg	Rabbit	
141-78-6	ethyl acetate				
	oral	LD50	5620 mg/kg	Rabbit	
	dermal	LD50	> 18000 mg/kg	Rabbit	
	inhalative (4 h) aerosol	LC50	56 mg/l	Rat	

Irritation and corrosivity

Causes serious eye irritation.

Sensitising effects

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

STOT-single exposure

May cause drowsiness or dizziness. (acetone; propan-2-one; propanone), (propan-2-ol; isopropyl alcohol; isopropanol), (n-butyl acetate), (1-methoxy-2-propanol; monopropylene glycol methyl ether), (ethyl acetate), (Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom.)

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.

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 9 of 13

SECTION 12: Ecological information

12.1. Toxicity

Leakage into the environment must be prevented.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
67-64-1	acetone; propan-2-one; propanone					
	Acute fish toxicity	LC50	5540 mg/l	96 h	Onchorhynchus mykiss	
	Acute crustacea toxicity	EC50	6100 mg/l	48 h	Daphnia magna	
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol					
	Acute fish toxicity	LC50	420 mg/l	96 h	Lepomis macrochirus	
1330-20-7	xylene					
	Acute fish toxicity	LC50	86 mg/l	96 h	Leuciscus idus (golden orfe)	
	Acute algae toxicity	ErC50	1 - 10 mg/l	72 h		
	Acute crustacea toxicity	EC50	1 - 10 mg/l	48 h		
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50	> 100 mg/l	96 h	Leuciscus idus (golden orfe)	
	Acute algae toxicity	ErC50	> 100 mg/l	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna	
123-86-4	n-butyl acetate					
	Acute fish toxicity	LC50	62 mg/l	96 h	Brachydanio rerio (zebra-fish)	
	Acute algae toxicity	ErC50	675 mg/l	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50	44 mg/l	48 h	Daphnia magna	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50 mg/l	4600 - 10000	96 h	Leuciscus idus	IUCLID
	Acute algae toxicity	ErC50	> 1000 mg/l	72 h	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50	> 500 mg/l	48 h	Daphnia magna	IUCLID
141-78-6	ethyl acetate					
	Acute fish toxicity	LC50	230 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50	717 mg/l	48 h	Daphnia magna (Big water flea)	
	Algae toxicity	NOEC	> 100 mg/l	3 d	Desmodesmus subspicatus.	OECD 201
	Crustacea toxicity	NOEC	2,4 mg/l	21 d	Daphnia magna (Big water flea)	DIN 38412 / part 11

12.2. Persistence and degradability

No data available

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
123-86-4	n-butyl acetate			
	DOC reduction.	> 70		OECD 301E/ EEC 92/69/V, C.4-B

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 10 of 13

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol	1,03
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437

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.
hazardous to water (WGK 2)

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

Consult the appropriate authorities about waste disposal. Dispose of waste according to applicable legislation.

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

Consult the appropriate authorities about waste disposal. 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



Safety Data Sheet

haupa®

HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 11 of 13

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)

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

Safety Data Sheet



HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 12 of 13

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): 621,93
Volatile organic compounds (VOC) content in percent by weight: 69,88

National regulatory information

Water contaminating class (D): 2 - 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.
H228 Flammable solid.
H229 Pressurised container: May burst if heated.
H261 In contact with water releases flammable gases.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

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.

Safety Data Sheet



HAUPA GmbH & Co.KG

according to Regulation (EC) No 1907/2006

Aluminium-Spray "HUPalu" Aerosol 400ml

Print date: 23.03.2016

Product code: 170154

Page 13 of 13

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