



FC 1696 - Aerosol

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form: Mixture
Trade name: FC 1696, Food Cleaner Universal Stainless
Chemical characterization: Aerosol with cleaning agent

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

Main use category: Aerosol, product solely for professional use.
Inadvisable uses: No relevant information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer: Nabima,
Division der Ernst Hausammann & Co. AG
Rautistrasse 19,
CH-8047, Zürich
T. + 41 44 406 80 11
F. + 41 44 491 22 11
W. www.hausammann.com
E. info@hausammann.com

1.4. Emergency telephone number

Emergency number: T. + 41 44 406 80 11
This number is serviced during office hours.

2. Hazards identification

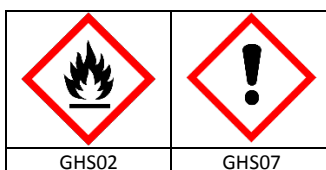
2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Aerosol 1 H222
Aerosol 1 H229
STOT SE 3 H336

Full text of H-phrases: see section 16

2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP)
Not applicable.





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CLP Signal word:	Danger
Hazard statements (CLP)	
H222	Extremely flammable aerosol.
H229	Pressurized container: may burst when heated.
H336	May cause drowsiness or dizziness.
Precautionary statements (CLP)	
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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, in accordance with local, regional, national and/or international regulation.

2.3 *Other hazards*
No relevant information available.

3. Composition/information on ingredients

3.1. *Substance*
Not applicable

3.2. *Mixture:*

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propane/butane mixture	EINECS: 270-9909	30-60	Flam. Gas 1, H220
1-Methoxy-2-Propanol	CAS: 107-98-2 EINECS: 203-539-1 REACH: 01-2119457435-35	30-60	Flam. Liq. 3, H226 STOT SE 3, H336

Full text of the H- and EUH-phrases if mentioned: see section 16.

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



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attention. After adequate first aid, no further treatment is required unless symptoms reappear.

- After inhalation: Take victim to fresh air, in a quiet place and if necessary take medical advice. If unconscious, place in the recovery position and seek medical advice.
- After skin contact: Wash off immediately with soap and plenty of water removing at the same time all contaminated clothes. Wash clothing before re-using. Do not remove clothing if it sticks to the skin.
- After eye contact: Rinse immediately with plenty of water, also under the eyelids. First-aid measures after ingestion: Rinse mouth out with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical advice (show the label where possible).

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

- After inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. May cause drowsiness or dizziness.
- After skin contact: May stain the skin. May cause slight irritation to the skin.
- After eye contact: May stain the eyes. May cause eye irritation.
- After ingestion: May cause slight irritation.

4.3. *Indication of any immediate medical attention and special treatment needed* No additional information available.

5. Firefighting measures

5.1. *Extinguishing media*

- Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media: Water jet.

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

- Fire hazard: No information available on this specific product, however by analogy, the product is considered to be: No fire hazard.
- Explosion hazard: Product does not present an explosion hazard.



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Hazardous decomposition products in case of fire: Release of harmful/irritant gases/vapours.

5.3. *Advice for firefighters*

Firefighting instructions: Exercise caution when fighting any chemical fire. Cool tanks/drums with water spray/remove them into safety.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: Prevent fire-fighting water from entering environment.

6. Accidental release measures

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

General measures: Avoid contact with skin, eyes and clothing. Avoid breathing dust, mist or spray. Do not eat, drink or smoke when using this product.

6.1.1. *For non-emergency personnel*

Protective equipment: Wear recommended personal protective equipment. Refer to chapter 8.

Emergency procedures: Provide adequate ventilation. Wear suitable respiratory equipment in case of insufficient ventilation. Keep unprotected persons from entering.

6.1.2. *For emergency responders*

Protective equipment: Wear recommended personal protective equipment. Refer to chapter 8.

Emergency procedures: Provide adequate ventilation. Wear suitable respiratory equipment in case of insufficient ventilation. Keep unprotected persons from entering.

6.2. *Environmental precautions*

Prevent entry to sewers and public waters.

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

Methods for cleaning up: Clean up any spills as soon as possible, using an absorbent material to collect it. Wash away remainder with plenty of water.

6.4. *Reference to other sections*



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See section(s): 8, 13.

7. Handling and storage

7.1. *Precautions for safe handling*

Precautions for safe handling: Keep away from sources of ignition - No smoking. Avoid all unnecessary exposure.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Do not drink, eat or smoke in the workplace.

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

Storage conditions: Keep away from heat. Protect from freezing. Keep out of the reach of children.

Prohibitions on mixed storage: Keep away from food, drink and animal feeding stuffs.

Storage area: Store in dry, cool, well-ventilated area. Keep container tightly closed.

Packaging materials: Store in original container.

7.3. *Specific end use(s)*

No additional information available.

8. Exposure controls/personal protection

8.1. *Control parameters*

Name	Product identification	%
Propane/butane mixture	EINECS: 270-9909	30-60
DNELs No data available.		
PNECs No data available.		

Name	Product identification	%
1-Methoxy-2-Propanol	CAS: 107-98-2 EINECS: 203-539-1 REACH: 01-2119457435-35	30-60
DNELs Worker, long-term - local effects, inhalation: 553.5 mg/m ³ Worker, long-term - systemic effects, inhalation: 369 mg/m ³ Worker, long-term - systemic effects, dermal: 50.6 mg/kg		



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Consumer, long-term – systemic effects, inhalation: 43.9 mg/m³
 Consumer, long-term - systemic effects, dermal: 18.1 mg/kg
 Consumer, long-term - systemic effects, oral: 3.3 mg/kg

PNECs

Fresh Water: 10 mg/l
 Freshwater Deposition: 41.6 mg/kg
 Seawater Deposition: 4.17 mg/kg
 Soil: 2.47 mg/kg
 Sewage treatment: 100 mg/l

8.2. Exposure controls

- Appropriate engineering controls: Ventilate area. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Personal protective equipment: Gloves. Protective clothing. Safety glasses. High gas/vapour concentration: gas mask.
- Hand protection: Chemical resistant gloves (according to European standard NF EN 374 or equivalent), e.g. PVC gloves - Nitrile-rubber protective gloves. Since the product consists of several substances, it is not possible to estimate the durability of the glove material beforehand and it therefore needs to be tested before use.
- Eye protection: Wear tight fitting safety glasses or face shield.
- Skin and body protection: Wear suitable protective clothing.
- Respiratory protection: No respiratory protection needed under normal use conditions. High gas/vapour concentration: gas mask.
- Environmental exposure controls: Avoid release to the environment.
- Other information: Keep away from food, drink and animal feeding stuffs.

9.1. Information on basic physical and chemical properties

Physical state	Aerosol, active substance: liquid
Appearance	Aerosol
Colour	Colorless
Odour	Characteristic
Odour threshold	No data available



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pH	No data available
Relative evaporation rate	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	Not self-igniting
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	Propane / Butane mixture: 300-800kPa (20 °C)
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	Active substance: 0,79-0,89 g/cm ³ (20 °C) Propane / Butane mixture: 0,54 g/cm ³ (fluid at 15 °C)
Solubility	Water: Insoluble
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	Product does not present an explosion hazard.
Oxidising properties	No data available
Explosive limits	Propane / Butane mixture, lower: 1,5 vol.% Propane / Butane mixture, upper: 9,5 vol.%

- 9.2. *Other information*
No additional information available.

9. Stability and reactivity

- 10.1. *Reactivity*
No additional information available.
- 10.2. *Chemical stability*
Stable under use and storage conditions as recommended in section 7.
- 10.3. *Possibility of hazardous reactions*
No dangerous reactions known.
- 10.4. *Conditions to avoid*
Keep away from open flames, hot surfaces and sources of ignition.
- 10.5. *Incompatible materials*
Strong acids. Oxidizing agent.
- 10.6. *Hazardous decomposition products*



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When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, fumes, nitrogen oxides (NOx).

10. Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified
The product has not been tested
Estimated on the basis of the constituents.

Cleaner 696	
LC50 inhalation rat, 4 hours	> 25mg/l

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitisation: No sensitizing effect known

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: May cause drowsiness and dizziness.

Other information: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

11. Ecological information

12.1. Toxicity

Ecology - general: Do not allow into drains or water courses.

12.2. Persistence and degradability

No additional information available



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- 12.3. *Bioaccumulative potential*
No additional information available
- 12.4. *Mobility in soil*
No additional information available
- 12.5. *Results of PBT and vPvB assessment*
No additional information available
- 12.6. *Other adverse effects*
No additional information available

12. Disposal considerations

- 13.1. *Waste treatment methods*
Regional legislation (waste): Disposal must be done according to official regulations.
- Sewage disposal
recommendations: Do not discharge into drains.
- Waste disposal
recommendations: If recycling is not possible, eliminate in accordance with local valid waste disposal regulations.

13. Transport information

14.1 – 14.6

General instructions	
UN number	1950
Transport by road / rail (ADR / RID)	
UN proper shipping name	AEROSOLS (1-Methoxy 2-propanol)
Transport hazard class(es)	2.1
Packing group	-
Classifieringscode	5F
LQ(ADR 2013)	1L
LQ (ADR 2009)	2
Environmental hazards	no
Tunnel restriction code	D
Sea transport (IMDG)	
UN proper shipping name	AEROSOLS (1-Methoxy 2-propanol)
Transport hazard class(es)	2.1



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Packing group	-
EmS	F-D, S-U
Marine pollutant	no
Environmental hazards	no
Air Transport (IATA)	
UN proper shipping name	Aerosols, flammable (1-Methoxy 2-propanol)
Transport hazard class(es)	2.1
Packing group	-
Environmental hazards	not applicable

14.7 *Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code*
Not applicable

14. Regulatory information

15.1. *Safety, health and environmental regulations/legislation specific for the substance or mixture*
EU-Regulations

Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

National regulations

Germany

Water hazard class (WGK): 1 – low hazard to waters

WGK remark: (estimated value)

15.2. *Chemical safety assessment*

No chemical safety assessment has been carried out.

15. Other information

Indication of changes:

No changes.

Data sources:

Echa.europa.eu

Manufacturer/supplier

Richtsnoer voor etikettering en verpakking in overeenstemming met

Verordening (EG) nr. 1272/2008

Regulation (EC) no. 1272/2008

H222	Extremely flammable aerosol.
H229	Pressurized container: may burst when heated.



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H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
Aerosol 1	Aerosols, hazard category 1
Flam. Liq. 3	Flammable liquids, hazard category 3
STOT SE 3	Specific target organ toxicity single exposure, hazard category 3, respiratory irritation. Specific target organ toxicity single exposure, hazard category 3, narcotic effect.

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.