

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 30.06.2023

Version number 3 (replaces version 2)

Revision: 30.06.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** Baking release spray 200 ml**Article number:** 44997**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the mixture

Spray

Release agent

Food

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

Fackelmann GmbH + Co. KG

Sebastian-Fackelmann-Str. 6

D-91217 Hersbruck

Germany

Tel: +49 (0)9151-811 153

Fax: +49 (0)9151-811 294

www.fackelmann.de

Informing department: Phone: 09151-811 153**1.4 Emergency telephone number:**

Poisoning Information Center Fribourg

Breisacher Strasse 86b

D-79106 Freiburg

Germany

Tel.: +49-(0)761-19240

giftinfo@uniklinik-freiburg.de

(Information in German and English)

Phone 09151-811 153

(Office hours 08:00 - 16:00)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

flame

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

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms

GHS02

Signal word Danger

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- **Hazard statements**
H222-H229 Extremely flammable aerosol. 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.
- **Additional information:**
Buildup of explosive mixtures possible without sufficient ventilation.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below including additives not requiring identification.

· **Dangerous components:**

CAS: 64-17-5	ethanol	 Flam. Liq. 2, H225	10 - 25%
EINECS: 200-578-6			
Reg.nr.: 01-2119457610-43-X			

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
The product is not skin irritating.
Wash with water and soap.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing**
Swallowing is not considered to be a possible way of exposure.
No adverse effects are to be expected under normal conditions of use.
In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
A symptomatic therapy is to be induced.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
Alcohol-resistant foam
Water spray jet
Carbon dioxide
Fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

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- **5.2 Special hazards arising from the substance or mixture**
In case of fire the aerosols bursting can be projected to distance with violence, with risk of propagation of the fire.
- **5.3 Advice for firefighters**
 - **Protective equipment:**
In case of fire wear breathing equipment being independent of ambient air and suit provided full protection against chemicals.
 - **Additional information**
Collect contaminated fire fighting water separately. It must not enter drains. Provide sufficient fire fighting water retention.
Use water to keep fire exposed containers cool.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or water bodies.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose of contaminated material as waste according to section 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Wear suitable protection equipment.
Keep away from heat and direct sunlight.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.
Do not spray on flames or red-hot objects.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage**
 - **Requirements to be met by storerooms and containers:**
Store in cool location.
Observe official regulations on storing packagings with pressurised containers.
Recommended storage temperature: 15°C to 20°C.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:**
Store at a cool, dry and well-ventilated place.
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Components with limit values that require monitoring at the workplace:

WEL: workplace exposure limit

OEL: Occupational Exposure Limit

64-17-5 ethanol

WEL (Great Britain)	Long-term value: 1920 mg/m ³ , 1000 ppm
OEL (Ireland)	Short-term value: 1000 ppm

124-38-9 carbon dioxide

WEL (Great Britain)	Short-term value: 27400 mg/m ³ , 15000 ppm Long-term value: 9150 mg/m ³ , 5000 ppm
IOELV (European Union)	Long-term value: 9000 mg/m ³ , 5000 ppm
OEL (Ireland)	Long-term value: 9000 mg/m ³ , 5000 ppm IOELV

· DNELs

64-17-5 ethanol

Oral	DNEL (consumer, long-term, systemic)	87 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	8,238 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	206 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	380 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	114 mg/m ³ (human)
	DNEL (worker, short-term, local)	1,900 mg/m ³ (human)
	DNEL (consumer, short-term, local)	950 mg/m ³ (human)

· PNECs

64-17-5 ethanol

PNEC aqua (freshwater)	0.96 mg/L (.)
PNEC aqua (marine water)	0.79 mg/L (.)
PNEC STP - Sewage Treatment Plant	580 mg/L (.)
PNEC soil	0.63 mg/kg soil dw (.)
PNEC sediment (freshwater)	3.6 mg/kg sedim. dw (.)
PNEC sediment (marine water)	2.9 mg/kg sedim. dw (.)
PNEC aqua (intermittent releases)	2.75 mg/L (.)
PNEC oral	380 mg/kg food (.)

· 8.2 Exposure controls

· Individual protection measures, such as personal protective equipment

· General protective and hygienic measures

Wash hands during breaks and at the end of the work.

- **Breathing equipment:** Not necessary if room is well-ventilated.

· Hand protection

Protective gloves are only required in case of intense and/or prolonged skin contact with the product.

- **Material of gloves** Not required.

- **Penetration time of glove material** Not required.

- **Eye/face protection** Safety glasses recommended if possibility of liquid splashes exists.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

· Colour:	Yellowish
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Not applicable
· Boiling point or initial boiling point and boiling range	Not applicable, as aerosol
· Lower and upper explosion limit	
· Lower:	3.5 Vol %
· Upper:	13.5 Vol %
· Flash point:	Not applicable, as aerosol
· SADT	
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· dynamic:	Not determined.
· Solubility	
· Water:	Insoluble
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	3500 - 4500 hPa
· Density and/or relative density	
· Density at 20 °C	0.895 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

9.2 Other information

· Appearance:	
· Form:	Aerosol
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· VOC EU	150.5 g/l
· VOC EU	19.99 %
· Change in condition	
· Evaporation rate	Not applicable.

Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void

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· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Danger of containers bursting because of high vapour pressure
- **10.4 Conditions to avoid** All sources of ignition: heat, sparks, open flame, electrostatic discharges.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

8002-13-9 Rape oil

Oral	LD50	> 2,000 mg/kg (rat)
Inhalative	LC50	> 3.26 mg/l/4h (rat)

64-17-5 ethanol

Oral	LD50	15,010 mg/kg (rat) (OECD 401)
Dermal	LD50	> 20,000 mg/kg (rabbit)
Inhalative	LC50	> 114 mg/l/1h (mouse) (OECD 403)
	LC50	125 mg/l/4h (rat) (OECD 403)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** 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.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**

- **Repeated dose toxicity**

64-17-5 ethanol

Oral	NOAEL (90d)	< 9,700 mg/kg bw/day (mouse)
Inhalative	NOAEC (28d)	> 7,380 mg/m ³ /ppm u (rat)

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· 11.2 Information on other hazards
· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity
· Aquatic toxicity:
8002-13-9 Rape oil

EC50 (static)	> 96.7 mg/l/48h (Daphnia magna)
LC50 (dynamic)	> 7.48 mg/l/96h (Oncorhynchus mykiss)
EC50	41.1 mg/l/72h (algae)

64-17-5 ethanol

LC50	14,200 mg/l (fish)
EC50 (static)	5,012 mg/l/48h (Ceriodaphnia dubia) (ASTM E729-80)
EC50 (static)	675 mg/l/96h (Chlorella vulgaris) (OECD 201)
EC50	275 mg/l/120h (Algae)
LC50 (dynamic)	15,300 mg/l/96h (Pimephales promelas) (US EPA E03-05)

· 12.2 Persistence and degradability No further relevant information available.

· Other information: There are no data available about the preparation.

· 12.3 Bioaccumulative potential No further relevant information available.

· 12.4 Mobility in soil No further relevant information available.

· 12.5 Results of PBT and vPvB assessment
· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Endocrine disrupting properties

For information on endocrine disrupting properties see section 11.

· 12.7 Other adverse effects
· Additional ecological information:
· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods
· Recommendation

The waste code numbers mentioned are recommendations based on the probable use of the product.

· European waste catalogue

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 25	edible oil and fat
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
16 05 05	gases in pressure containers other than those mentioned in 16 05 04
HP3	Flammable

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- **Uncleaned packagings:**
- **Recommendation:**
Dispose of packaging according to regulations on the disposal of packagings.
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR/RID, IMDG, IATA	UN1950
· 14.2 UN proper shipping name · ADR/RID · IMDG, IATA	1950 AEROSOLS AEROSOLS
· 14.3 Transport hazard class(es) · ADR/RID	
	
· Class · Label	2.5 F Gases. 2.1
· IMDG, IATA	
	
· Class · Label	2 Gases. 2.1
· 14.4 Packing group · ADR/RID, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user · Kemler Number: · EMS Number: · Stowage Code · Segregation Code	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW2 Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

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· **Transport/Additional information:**

· **ADR/RID**

- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity
- **Transport category** 2
- **Tunnel restriction code** D

· **IMDG**

- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity

· **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Chemical safety assessment**
 - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
 - **Seveso category** P3b FLAMMABLE AEROSOLS
 - **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t
 - **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t
- **National regulations**
 - **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

· **Department issuing data specification sheet:**

► **DEKRA** This Safety Data Sheet has been drawn up in cooperation with:
DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,
phone: (+49) 511 42079 - 0, reach@dekra.com.

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· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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Aerosol 1: Aerosols – Category 1
Flam. Liq. 2: Flammable liquids – Category 2

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• **Sources**

The basis for the preparation of this safety data sheet are the information provided by the distributor.

- * **Data compared to the previous version altered.**

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