



Revision Date 28.05.2014
Date 19.06.2006

Revision 03

SAFETY DATA SHEET CHAFERGEL - CHAFING DISH FUEL (ETHANOL GEL)

According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name CHAFERGEL - CHAFING DISH FUEL (ETHANOL GEL)
REACH Registration number Ethanol: 01-2119457610-43-0205

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

Identified uses Food heater gel
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier	Contacto Bander GmbH Gruitener Straße 1 40699 Erkrath Germany Tel.: + 49 (0)2104 989 0 Fax: + 49 (0)2104 989 299	REACH Only Representative CIRS Ireland - Chemical Inspection and Regulation Service Ltd Singleton House, Laurence Street, Drogheda, Co. Louth, Ireland Tel : +353 41 9806 916
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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) F;R11.

Human health

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. May irritate eyes and skin. In high concentrations, vapours may be irritating to the respiratory system.

Environment

The product is not expected to be hazardous to the environment.

Physical and Chemical Hazards

Closed containers can burst violently when heated, due to excess pressure build-up.

2.2. Label elements

Labelling



Highly flammable

Risk Phrases

R11 Highly flammable

Safety Phrases

S2 Keep out of the reach of children.
S7 Keep container tightly closed.
S16 Keep away from sources of ignition - No smoking.
S46 If swallowed, seek medical advice immediately and show this container or label.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ETHANOL	75-85%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11
TRIETHYLAMINE	< 1%
CAS-No.: 121-44-8	EC No.: 204-469-4
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1A - H314 STOT SE 3 - H335	Classification (67/548/EEC) F;R11 C;R35 Xn;R20/21/22

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

REACH Registration number Ethanol: 01-2119457610-43-0205

Composition Comments

The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

General first aid, rest, warmth and fresh air.

Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once.

Place unconscious person on the side in the recovery position and ensure breathing can take place.

If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and drink plenty of water. Keep person under observation.

If person becomes uncomfortable seek hospital and bring these instructions. Never give liquid to an unconscious person.

Skin contact

Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water.

Promptly remove clothing if soaked through and flush skin with water. Get medical attention if irritation persists after washing.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing.

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

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

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea.



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Ingestion

Nausea, vomiting. Dizziness.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Prolonged contact may cause redness and/or tearing.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media

Do not use water if avoidable.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Fire causes formation of toxic gases.

Specific hazards

Fire creates: Carbon monoxide (CO). Hydrogen cyanide (HCN). Nitrous gases (NO_x).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Be aware of risk of fire re-starting, and risk of explosion.

Containers close to fire should be removed or cooled with water.

Cool containers exposed to flames with water until well after the fire is out. Dike and collect extinguishing water.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

Do not smoke, use open fire or other sources of ignition. Do not breathe vapour. Provide adequate ventilation.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Keep combustibles away from spilled material. Shovel into dry containers.

Cover and move the containers. Flush the area with water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

For personal protection, see section 8.

See section 11 for additional information on health hazards.

For waste disposal, see section 13.



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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame.
Static electricity and formation of sparks must be prevented.
Eye wash facilities and emergency shower must be available when handling this product.
Avoid inhalation of vapours.
Avoid contact with skin and eyes.
Do not use contact lenses.
During application and drying, solvent vapours will be emitted.
Provide good ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place.
Store away from: Oxidising material. Acids.
Keep away from food, drink and animal feeding stuffs.
Keep out of the reach of children.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ETHANOL	WEL	1000 ppm	1920 mg/m ³			
TRIETHYLAMINE	WEL	2 ppm(Sk)	8 mg/m ³ (Sk)	4 ppm(Sk)	17mg/m ³ (Sk)	

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.
Wear air supplied respiratory protection. Suitable respiratory protection must be used at high concentrations.
Self-contained breathing apparatus with full facepiece.

Hand protection

Protective gloves and goggles must be used if there is a risk of direct contact or splash.



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Eye protection

Contact lenses should not be worn when working with this chemical!
Wear approved safety goggles.

Other Protection

Use engineering controls to reduce air contamination to permissible exposure level.
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.
Promptly remove any clothing that becomes contaminated. Isolate contaminated clothing and wash before reuse.

Skin protection

Wear apron or protective clothing in case of contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Gel.
Colour	Colourless.
Solubility	Completely soluble in water.
Initial boiling point and boiling range	79°C
Bulk Density	0.84 kg/l @25°C
Vapour pressure	44 mm Hg @20°C
pH-Value, Conc. Solution	7.5 - 8.5
Viscosity	3570 Ps @25°C
Flash point	16 °C CC (Closed cup).
Auto Ignition Temperature	451°C
Flammability Limit - Lower	3.3 %
Flammability Limit - Upper	19 %

9.2. Other information

Volatile Organic Compound (VOC)	85%
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

No particular stability concerns.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

10.5. Incompatible materials

Acids, oxidising

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
Carbon monoxide (CO). Hydrogen cyanide (HCN). Nitrous gases (NOx).



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Other Health Effects

This substance has no evidence of carcinogenic properties. IARC Not Listed. NTP Not Listed. OSHA Not Regulated.

Inhalation

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

Ingestion

Gastrointestinal symptoms, including upset stomach.

Skin contact

Repeated exposure may cause skin dryness or cracking. Irritating to skin.

Eye contact

Irritating and may cause redness and pain.

Toxicological information on ingredients.

ETHANOL (CAS: 64-17-5)

Toxic Dose 1 - LD 50

6200 mg/kg (oral - rat)

Toxic Dose 2 - LD 50

7060 mg/kg (oral - rat)

Toxic Conc. - LC 50

124.7 mg/l/4h (inh.- rat)

TRIETHYLAMINE (CAS: 121-44-8)

Toxic Dose 1 - LD 50

730 mg/kg (oral rat)

Toxic Conc. - LC 50

3496 ppm/1h (inh-rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

LC 50, 96 Hrs, Fish

11000 mg/l Alburnus alburnus

EC 50, 48 Hrs, Daphnia,

3715-6772 mg/l

IC 50, 72 Hrs, Algae,

9310 mg/l Chlorella pyrenoidosa

TRIETHYLAMINE (CAS: 121-44-8)

LC 50, 96 Hrs, Fish

330 mg/l

EC 50, 48 Hrs, Daphnia,

200 mg/l



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12.2. Persistence and degradability

Degradability

The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is miscible with water. May spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste.

Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

Make sure containers are empty before discarding (explosion risk).

Environmental manager must be informed of all major spillages. Do not allow runoff to sewer, waterway or ground.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1325

UN No. (IMDG) 1325

UN No. (ICAO) 1325

14.2. UN proper shipping name

Proper Shipping Name FLAMMABLE SOLID, ORGANIC, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN Class 4.1

ADR/RID/ADN Class Class 4.1: Flammable solids, self-reactive substances and solid desensitized explosives.

ADR Label No. 4.1

IMDG Class 4.1

ICAO Class/Division 4.1

Transport Labels





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14.4. Packing group

ADR/RID/ADN Packing group III
IMDG Packing group III
ICAO Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

EMS F-A, S-G
Emergency Action Code 1Z
Hazard No. (ADR) 40
Tunnel Restriction Code (E)

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

No information required.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

Fire precautions Act 1971. Chemicals (Hazard Information & Packaging) Regulations. Health and Safety at Work Act 1974.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

Water hazard classification

WGK 1

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Information Sources

This SDS is prepared based on the information received from the product owner.

Revision Comments

The SDS is generated in accordance with the REACH regulation.

Issued By

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Risk Phrases In Full

R35 Causes severe burns.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R11 Highly flammable
R37 Irritating to respiratory system.

Hazard Statements In Full

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.