

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chafing Dish Fuel Gel

Print date: 06.08.2018

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Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use Water. to extinguish.

Store in a well-ventilated place. Keep cool.

2.3. Other hazards

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

| EC No | Chemical name | Quantity |
|--------------|---|----------|
| CAS No | Classification according to Directive 67/548/EEC | |
| Index No | Classification according to Regulation (EC) No. 1272/2008 [CLP] | |
| REACH No | | |
| 200-578-6 | ethanol, ethyl alcohol | 70 % |
| 64-17-5 | F - Highly flammable, Xi - Irritant R11-36 | |
| 603-002-00-5 | Flam. Liq. 2, Eye Irrit. 2; H225 H319 | |
| 213-791-2 | water | 30 % |
| 7732-18-5 | | |
| | | |

Full text of R, H and EUH phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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

After inhalation

Provide fresh air. Remove casualty to fresh air and keep warm and at rest. In case of inhaling spray mist, consult a doctor immediately and show him packing or label.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin irritation, consult a physician.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. 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

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically. First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide (CO₂), Foam, Extinguishing powder. Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water.

5.2. Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air.

5.3. Advice for firefighters

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

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Vapours are heavier than air and will spread at floor level. Take precautionary measures against static discharges.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

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). Treat the recovered material as prescribed in the section on waste disposal. Spilled product must never be returned to the original container for recycling.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

The formation of combustible vapours is possible at temperatures above: 18°C. Use only in well-ventilated areas. Keep away from sources of ignition. - No smoking. Flammable vapours can accumulate in head space of closed systems. Caution! Transport usually takes place at temperatures above the flash point.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air. Take precautionary measures against static discharges. Vapours may form explosive mixtures with air.

Further information on handling

Do not breathe gas/fumes/vapour/spray.

7.2. Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on storage compatibility

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

Further information on storage conditions

Suitable material for Container: Aluminium. steel. rustproof steel. Protect against: heat.

7.3. Specific end use(s)

Using material as fuel sources, limited exposure to unburned product to be expected

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|---------|-----------|------|-------------------|-----------|---------------|--------|
| 64-17-5 | Ethanol | 1000 | 1920 | | TWA (8 h) | WEL |
| | | - | - | | STEL (15 min) | WEL |

Additional advice on limit values

TLV-Name: Fuel Gel

TLV-TWA (mg/m³): 5

TLV-STEL (ppm): 10

8.2. Exposure controls

Occupational exposure controls

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Do not eat, drink, smoke or sneeze at the workplace.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable respiratory protective equipment: Self-contained open circuit breathing apparatus (compressed air breathing apparatus) (EN 137).

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber).

Required properties: antistatic. liquid-tight.

Eye protection

Suitable eye protection: goggles.

Skin protection

Flame-retardant protective clothing. Wear anti-static footwear and clothing

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Paste
Color: colorless
Odor: like: Alcohol

Test method

pH-Value: not determined

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: 85 °C

Flash point: 18 °C

Flammability

Solid: not applicable

Gas: not applicable

Lower explosion limits: 0,56 vol. %

Upper explosion limits: 8 vol. %

Auto-ignition temperature

Solid: 425°C

Gas: not applicable

Oxidizing properties

Not oxidizing.

Vapour pressure: not determined

Vapour pressure:
(at 50 °C) 0,6 hPa

Density: 0,803 g/cm³

Water solubility:
(at 20 °C) 0 g/L

Solubility in other solvents: not determined

Partition coefficient: not determined

Viscosity / kinematic:
(at 25 °C) 3,97 mm²/s

Vapour density: not determined

Evaporation rate: not determined

Solvent content: 562,1 g/l

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable, Ignition hazard.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

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10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Acute toxicity, oral
LD50: Rat >2000 mg/kg

Acute toxicity, dermal
LD50: Rat. >2000 mg/kg

Acute toxicity, inhalant
LC50: Rat. > 5mg/l Exposure time: 4h

| CAS No | Chemical name | Exposure route | Method | Dose | Species | h |
|---------|---------------------------|----------------|------------|------|---------|---|
| 64-17-5 | ethanol, ethyl alcohol | | | | | |
| | Acute oral toxicity | LD50 | 6200 mg/kg | | Rat | |
| | Acute inhalation toxicity | LC50 | 95,6 mg/l | | Rat | 4 |

Irritation and corrosivity

Irritant effect on the eye: Irritant.
After skin contact: mild irritant.

Sensitising effects

After skin contact: no danger of sensitization.

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Further information

There are no data available on the preparation/mixture itself. Data apply to the main component.

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity LC50: >100mg/l
Acute Daphnia toxicity EC50: >100mg/l

Algae toxicity EC50: 100mg/l
Bacterial toxicity: EC50: 100mg/l

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| CAS No | Chemical name | Method | Dose | Species | h |
|---------|--------------------------|--------|-------------------|---------------|------|
| 64-17-5 | ethanol, ethyl alcohol | | | | |
| | Acute crustacea toxicity | EC50 | 9268 - 14221 mg/l | Daphnia magna | 48 h |

12.2. Persistence and degradability

The product has not been tested. Product is partially biodegradable. Significant residues remain. Mechanical separation in a suitable sewage plant is possible.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|---------|------------------------|---------|
| 64-17-5 | ethanol, ethyl alcohol | -0,31 |

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

No special environmental measures are necessary.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Flammable, The formation of combustible vapours is possible at temperatures above: 18°C. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

130703 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19); wastes of liquid fuels; other fuels (including mixtures)
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances
Classified as hazardous waste.

Contaminated packaging

Flammable, The formation of combustible vapours is possible at temperatures above: 18°C. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: 1325

14.2. UN proper shipping name: FLAMMABLE SOLID, ORGANIC, N.O.S. ; FUEL GEL

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14.3. Transport hazard class(es): 4.1

14.4. Packing group: II

Hazard label: 4.1

Classification code: F1

Limited quantity: LQ8

Hazard No: 40

Tunnel restriction code: E

Other applicable information (land transport)

Special provisions: 274

Limit Quantity: E2

Transport category: 2

Inland waterways transport (ADN)

14.1. UN number: 1325

14.2. UN proper shipping name: FLAMMABLE SOLID, ORGANIC, N.O.S. ; FUEL GEL

14.3. Transport hazard class(es): 4.1

14.4. Packing group: II

Hazard label: 4.1

Classification code: F1

Limited quantity: LQ8

Other applicable information (inland waterways transport)

Special provisions: 274

Limit Quantity: E2

Marine transport (IMDG)

14.1. UN number: 1325

14.2. UN proper shipping name: FLAMMABLE SOLID, ORGANIC, N.O.S.

14.3. Transport hazard class(es): 4.1

14.4. Packing group: II

Hazard label: 4.1

Marine pollutant: •

Limited quantity: 1 kg

EmS: F-A, S-G

Other applicable information (marine transport)

Special provisions: 274, 915, 944

Limit Quantity: E2

Air transport (ICAO-TI/IATA-DGR)

UN/ID number: UN1325

14.2. UN proper shipping name: FLAMMABLE SOLID, ORGANIC, N.O.S.

14.3. Transport hazard class(es): 4.1

14.4. Packing group: II

Hazard label: 4.1

Special Provisions: A3

Limited quantity Passenger: 5 kg

IATA-packing instructions - Passenger: 445

IATA-max. quantity - Passenger: 15 kg

IATA-packing instructions - Cargo: 448

IATA-max. quantity - Cargo: 50 kg

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Other applicable information (air transport)

Limit Quantity: E2
Passenger-LQ: Y415
Special provisions: A3
Passenger-LQ: Y441

14.6. Special precautions for user

Warning: Flammable solids.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): 70 % (562,1 g/l)

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

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

Additional information

100; 110

15.2. Chemical safety assessment

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

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport 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 Harmonized 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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant R phrases (number and full text)

Highly flammable.
Irritating to eyes.

Relevant H and EUH statements (number and full text)

Highly flammable liquid and vapour.
Causes serious eye irritation.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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