

SDS

Report No.: 010122013018675

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# Safety Data Sheet

Applicant name: \_\_\_\_\_

Product Name: GEL CHAFING FUEL

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Edit institution: Zhejiang Academy of Science and Technology for  
Inspection and Quarantine

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## 1. Identification of substance

Product Name GEL CHAFING FUEL  
Trade Name GEL CHAFING FUEL  
Chemical Name None  
Recommended Use Heating food  
Manufacturer [REDACTED]  
Address [REDACTED]  
Phone Number [REDACTED]  
Fax Number [REDACTED]  
WEB [REDACTED]  
Emergency Phone Number [REDACTED] call your nearest poison control centre

## 2. Hazards identification

GHS classification Flammable solids 2  
Skin corrosion/irritation 3  
Serious eye damage/eye irritation 2B

GHS Pictograms



Signal words

Warning

Hazard statements

H228: Flammable solid  
H316: Causes mild skin irritation  
H320: Causes eye irritation  
P210: Keep away from heat/sparks/open flames/hot surfaces.-No smoking.  
P240: Ground/bond container and receiving equipment.  
P241: Use explosion-proof electrical/ventilating/lighting equipment.

Precautionary Statement  
Prevention

P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P370+P378: In case of fire: Use extinguisher to extinguish.  
Not available.

Precautionary Statement  
Response

Other hazards which do not  
result in classification

### 3. Composition/information on ingredients

☐ Substances

☒ Mixtures

#### Component Information

Component	CAS number	EINECS number	Mass(%)
Ethanol	64-17-5	200-578-6	80%
water	7732-18-5	231-791-2	15%
Resin	201058-08-4	-	5%

Note: 1. Unless a component presents a severe hazard, it does not need to be considered in the SDS if the concentration is less than 1%

### 4. First-aid measures

#### NOTE TO PHYSICIAN

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

#### After inhalation

Move to fresh air. Oxygen or artificial respiration if needed. Get immediate medical attention.

#### After skin contact

Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. If irritation persists, get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.

#### After eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention immediately.

#### After ingestion

Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Loosen tight clothing such as a collar, tie, belt or waistband. Do not use mouth-to-mouth method if victim ingested the substance. Seek immediate medical attention.

Most important symptoms/effects, acute and delayed

Causes mild skin irritation  
Causes eye irritation

### 5. Fire-fighting measures

Suitable extinguishing agents	Water spray, foam, CO <sub>2</sub> , dry chemical powder, Sandy soil.
Special hazards caused by the material, its products of combustion or flue gases	Can be released in case of fire: CO <sub>x</sub> .
Protective equipment for fire-fighters	Wear self-contained breathing apparatus, a chemical safety goggles, antistatic work clothes, rubber gloves.

Person-related safety precautions	Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Ventilate closed spaces before entering. Keep unnecessary personnel away.
Measures for environmental protection	Prevent further leakage or spillage if safe to do so. Do not allow material to be released to the environment without proper governmental permits.
Measures for cleaning/collecting	Contain spillage, and then collect with non-combustible absorbent material(e.g. sand, earth, diatomaceous earth, vermiculite) and place in suitable container. Clean contaminated surface thoroughly.
Additional information	See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.

## Handling

Information for safe handling	Avoid inhalation of dust and smoke. Keep out of reach of children. In case of insufficient ventilation, wear suitable respiratory equipment if ingested.
Information about protection against explosions and fires	Keep away from heat, sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Requirements to be met by storerooms and containers	Keep in a cool, dry, well-ventilated place. Keep tightly closed until used.
Information about storage in one common storage facility	Store away from incompatible substances such as oxidizing agents.
Further information about storage conditions	No data

### Limit Values for Exposure

Component	CAS number	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-STEL
Ethanol	64-17-5	1000ppm	N.E.	1000ppm	N.E.
Appropriate engineering controls	Use adequate ventilation to keep airborne concentrations low.				
General protective and hygienic measures	Do not get this material in contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.				

Personal protective equipment

Breathing equipment

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Protection of hands

Wear appropriate chemical resistant gloves.

Eye/Face protection

Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure.

Body protection

Full set of anti chemical reagent overalls, flame retardant antistatic protective clothing, choose body protection according to the amount and concentration of the dangerous substance at the work place.

Note: 1. N.E. means not established.

### 9. Physical and chemical properties

Appearance (physical state, colour etc)

White solid

Odour

Not applicable

pH

Not applicable

Melting point/freezing point

Not applicable

Boiling point and boiling

Not applicable

Flash point

Not applicable

Evaporation rate

Not applicable

Flammability

Flammable

Upper/lower flammability or explosive limits

Not applicable

Vapour pressure

Not applicable

Vapour density (air=1)

Not applicable

Relative density

Not applicable

Solubility (water)

Not applicable

Partition coefficient:

Not applicable

n-octanol/water

Auto-ignition temperature

Not applicable

Decomposition temperature

Not applicable

Viscosity

Not applicable

### 10. Stability and reactivity

Chemical stability

This is a preparation which is chemical stability.

Possibility of hazardous reactions

Not available

Conditions to avoid (e.g. static discharge, shock or vibration)

Heat and flame and spark. The extreme temperatures and direct sunlight. Antistatic.

Incompatible materials

Avoid contact with strong oxidizing.

Hazardous decomposition products

May include carbon oxides.

## 11. Toxicological information

Routes of Entry: Dermal contact, eye contact, inhalation, ingestion.

### Acute Toxicity

Ethanol (CAS 64-17-5) LD50 (Oral, mouse) : >790 mg/kg;  
LC50 (Inhalation, mouse): 39 mg/L/4H

Skin corrosion/Irritation Causes mild skin irritation

Serious eye Causes eye irritation

damage/irritation

Respiratory or skin No sensitizing effects known.

sensitization

Germ cell mutagenicity No data available for this chemical.

Carcinogenicity No classification data on carcinogenic properties of this chemical is available from IARC, OSHA, ACGIH, EPA or NTP.

Reproductive toxicity No data available for this chemical.

STOT-single exposure No data available for this chemical.

STOT-repeated exposure No data available for this chemical.

Aspiration hazard No data available for this chemical.

Chronic Effects No data available for this chemical.

Further Information No data

## 12. Ecological information

### Ecotoxicity

Aquatic Toxicity Ethanol (CAS 64-17-5)  
Test & Species  
96 Hr LC50 Alburnus alburnus: 11000 mg/L  
48 Hr EC50 Daphnia magna: 9268-14221 mg/L

Persistence and degradability Not available

Bioaccumulative potential Not available

Mobility in soil Not available

Additional Information Not toxic to aquatic life

## 13. Disposal considerations

### WASTE DISPOSAL INSTRUCTIONS

Contact a licensed professional waste disposal service to dispose of this material.

Dispose of in accordance with local environmental regulations or local authority requirements.

## 14. Transport information

The Recommendation of Transport of Dangerous Goods(TDG)

UN Number UN 1325

Proper Shipping Name FLAMMABLE SOLID, ORGANIC, N.O.S. (contains Ethanol)

Class/Division Division 4.1 Flammable Solids

Package Group PG II

Subsidiary risk none

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
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