

SAFETY DATA SHEET

According to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Revision: March 29, 2022

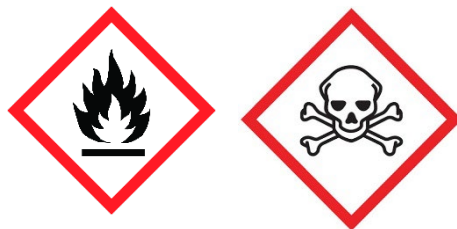
Section 1 – Product and Company Identification

Product Identifier	Echo Flame
Product Use	Gelled Fuel, Ethanol
Manufacturer	Yangzhou Jiangdu Zhongtian Tourist Products Co., LTD.
Address	No. 168 North of Shuangxian Road, Jiangdu District, Yangzhou City, Jiangsu Province, China 225267
Emergency Number	+86-514-86827488
Supplier/Distributor	RSR Sales
Address	232 Haeussler Ct. Ann Arbor, Michigan 48106
Phone Number	800-592-9678
Emergency Number	800-255-3924 (ChemTel Inc.)
Contract Number	MIS3060939

Section 2 - Hazard(s) Identification

Physical hazards	Flammable solid	Category 1
Health hazards	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Serious eye damage, irritation	Category 2A
	Acute toxicity, inhalation	Category 4
	Specific target organ toxicity	Category 1

Label elements



Signal Word

Flame

Acute Toxicity



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Hazard Statements

- H228 Flammable solid.
- H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.
- H320 Causes eye irritation
- H370 Causes damage to the central nervous system and optic nerve.

Precautionary Statements

- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection.
- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P330 Rinse mouth.
- P302+P352 If on skin: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a poison center/doctor if you feel unwell.
- P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
- P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Prevention Keep away from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Keep container tightly closed. Ground bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe dust, fume, gas, mist, vapors, spray. Wash thoroughly after handling. Do not smoke when using this product. Wear protective gloves, clothing, eye & face protection.

Response If swallowed – call a poison control center or doctor if you feel unwell. If on skin or hair – take off contaminated clothing and rinse area with water; or shower. If inhaled – move person to fresh air and keep comfortable for breathing. If in eyes – rinse cautiously with water for several minutes. Remove contact lenses, if applicable, continue rinsing. If exposed or concerned call a poison control center or physician. Call a poison control center or physician if you feel unwell. If eye irritation persists, get medical advice. Take off contaminated clothing and wash it before reuse.

Storage Store in a well-ventilated area, keep in a cool dry location and lock up. Keep out of reach of children.

Disposal Dispose of contents and container in accordance with local, regional, national and international regulations.



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Section 3 - Composition/Information on Ingredients

Component/Ingredient	%	CAS Number	LD ₅₀ of Ingredient
Ethanol	71%	64-17-5	EC No. 200-578-6
Water	28.5%	7732-18-5	EC No. 231-791-2
Calcium Acetate	.5%	62-54-4	EC No. 200-540-9

Section 4 - First Aid Measures

Skin contact:	Wash off with soap and plenty of water. Change out of contaminated clothing. Consult a physician.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician, (remove contacts if applicable).
Inhalation:	Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion:	Rinse mouth with water. Consult a physician. Never give anything by mouth to an unconscious person. Call a poison control center if you continue to feel unwell.

Section 5 - Fire Fighting Measures

Hazardous products of combustion	Carbon oxides
Extinguishing	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear a self-contained breathing apparatus for fire fighting, if necessary.

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Section 6 - Accidental Release Measures

Personal protective Measures	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors they can accumulate in low areas. Beware of accumulating to form explosive concentrations.
Environmental protective Measures	Prevent further leakage or spillage, if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for taking in and cleaning up	Pick up and arrange disposal. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition, no smoking. Take measures to prevent the build up of electrostatic charge.
Storage	Store in a cool dry place. Keep container tightly closed in a well-ventilated location. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 - Exposure Controls & Personal Protection

Engineering Controls	Safety shower and eye wash. Mechanical exhaust required.
Respiratory protection	Use a full-face supplied air respirator.
Eye protection	Wear chemical goggles.
Hand protection	Wear impervious chemical resistant gloves.
Body protection	Protective work clothing.

Section 9 - Physical and Chemical Properties

Appearance & properties Transparent jelly.

pH value 7-7.5

Section 10 - Stability and Reactivity

Chemical stability Stable under the condition recommended.

Avoid conditions Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible materials Alkali metals, Ammonia, Oxidizing agents, Peroxides

Section 11 - Toxicological Information

Acute toxicity Ethanol – LD₅₀ (rat, Oral) 7060mg/kg; LC₅₀ (rat, Inhalation, 10h)
20000 ppm V

Carcinogenicity Ethanol (CAS No. 64-17-5): Group 1 Carcinogenic to humans (IARC):
water (CAS No. 7732-18-5)

Section 12 - Ecological Information

Toxicity Methanol: LC₅₀ (Oncorhynchus mykiss, 96h) 19000 mg/L; EC₅₀
(Daphnia magna, 48h) 24500 mg/L

Section 13 - Disposal Considerations

Methods of disposal Dispose of in a manner consistent with federal, state and local
regulations.

Precautions of disposal Since emptied containers may retain product residue, follow label
warnings even after container is emptied. Empty containers should be
taken to an approved waste handling site for recycling or disposal.

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Section 14 - Transportation Information

UN number 1325
UN proper shipping name FLAMMABLE SOLID, ORGANIC, N.O.S.
Transportation primary
Hazard class 4.1

Packing group II

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Ethanol	√	√	√	√
Water	√	√	√	√
Calcium Acetate	√	√	√	√

Note 1
CHINA – China inventory of existing Chemical Substances (IECSC)
TSCA – United States inventory of Toxic Substances Control Act Chemical Substances (TSCA)
ENCS – Japan Existing and New Chemical Substances (ENCS)
EINECS – European Inventory of Existing Commercial Chemical Substances (EINECS)

Section 16 - Additional Information

Other
This Safety Data Sheet (SDS) was prepared according to UN GHS (the fifth revised edition) and the information included is based on the present state of our knowledge (as of March 29, 2022). However, the information is provided without any warranty, express or implied, regarding its correctness and is only for user's reference. Users should make their independent judgement of suitability of the information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.