



Safety Data Sheet

ZEROL® ESTER 85H UV

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Trade Name: ZEROL® ESTER 85H UV

Revision Date: 4/5/23

Created Date: 4/5/23

1.2 Other Means of Identification

Product Code: #2451

1.3 Relevant identified uses of the substance or mixture and uses advised against

None known.

1.4 Details of the supplier of the safety data sheet

FJC Air Conditioning Products

207 Talbert Pointe Drive
Mooresville, NC, 28117 US

phone: (704) 664-3587 Customer Service

e-mail: admin@fjcinc.com

website: www.fjcinc.com

1.5 Emergency telephone number

INFOTRAC: 24-Hour Number 1-800-535-5053 (US) or
1-352-323-3500 (International)

Poison Control: 1-800-222-1222 (USA)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200).

Sensitization (Skin), Category 1

Reproductive Toxicity, Category 2

2.2 Label elements



Signal Word Warning

Hazard Statements

H317-May cause an allergic skin reaction.

H361-Suspected of damaging fertility or the unborn child

Precautionary Statements

Prevention

P201-Obtain special instructions before use.

P202-Do not handle until all safety precautions have been read and understood.

P261-Avoid breathing dust/fume/gas/mist/vapors/spray.

P264-Wash skin thoroughly after handling.

P272-Contaminated work clothing should not be allowed out of the workplace.

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P280-Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352-IF ON SKIN: wash with plenty of water.

P308+P313-IF exposed or concerned: Get medical attention.

P333+P313-IF SKIN irritation or rash occurs: Get medical attention.

P362-Take off contaminated clothing and wash before reuse.

Storage

P405-Store locked up.

Disposal

P501-Dispose of contents/container to a licensed contractor in accordance with local, state and federal regulations.

2.3 Other hazards

None known.

2.4 Unknown Acute Toxicity (US)

None known.

SECTION 3: Composition / information on ingredient(s)

Chemical Name	CAS Number	EC #	Concentration % by Weight
Tricresyl Phosphate	1330-78-5		1-5
2-Ethylhexyl Glycidyl Ether	2461-15-6		0.5-1

Additional Information

Ingredients and composition are withheld as trade secret in accordance with 29CFR1910.1200(i).

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

None known.

After inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After skin contact

Take off immediately all contaminated clothing. Rinse skin with water. Consult a physician.

After eye contact

Flush eyes with water as a precaution.

After ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Self-protection of the first aider

None known.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

None known.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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Unsuitable extinguishing media None known.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3 Advice for firefighters

Use personal protective equipment as required. In the event of fire and/or explosion do not breathe fumes.

Additional Information

In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, organic acids.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

6.2 Environmental precautions

Do not allow into any sewer, on the ground or into any body of water.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

6.4 Reference to other sections

None known.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

7.3 Incompatibilities/Specific end uses(s)

Incompatibilities	Strong oxidizing agents.
Specific end use(s)	None known.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None known.

8.2 Engineering Controls/Exposure Controls

Engineering controls	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Environmental exposure controls	None known.

8.3 Protective Measures

Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.
Hand protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good



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Other Skin protection

laboratory practices. Wash and dry hands.

Other protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

None known.

General hygiene consideration

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Thermal hazards

Handle in accordance with good industrial hygiene and safety practice.

None known.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Property	Value
Colors	Neon yellow.
Density	0.98 g/ml.
Flash Point	> 260°C (500°F).
Pour Point	-41°C (-41°F).
State of Matter	Liquid.

9.2 Other information

None known.

Additional Information

Viscosity at 40°C (104°F): 76 cSt.

Total Acid Number: <0.05 mg KOH/g.

SECTION 10: Stability and Reactivity

10.1 Reactivity

None known.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Avoid overheating to minimize fume production.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Source

Skin contact

None known.

Eye contact

None known.

Inhalation

None known.

Ingestion

None known.



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Symptoms related to characteristics

None known.

Acute effects

None known.

Chronic effects

None known.

Numerical measures of Toxicity

None known.

Skin corrosion/irritation

None known.

Serious eye damage/eye irritation

None known.

Respiratory sensitization

None known.

Skin sensitization

Classified as a skin sensitizer.

Carcinogenicity

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA.

Germ cell mutagenicity

None known.

Reproductive toxicity

Suspected of damaging the unborn child.

Suspected of damaging fertility.

Specific target organ toxicity - single exposure

None known.

Specific target organ toxicity - repeated exposure

None known.

Aspiration hazard

None known.

SECTION 12: Ecological information

12.1 Toxicity**12.1 Numerical measures of Toxicity**

None known.

Tricresyl Phosphate (1330-78-5)

EC50	Sds Class Of Species	0.146 mg/l;	48h.	Daphnia Magna	Static test
LC50	Sds Class Of Species	0.6 mg/l;	96h.	Oncorhynchus Mykiss	Static test

12.2 Persistence and degradability

None known.

12.3 Bioaccumulative potential

None known.

12.4 Mobility in soil

None known.

12.5 Results of PBT and vPvB assessment

None known.

12.6 Other adverse effects

None known.

12.7 Additional Information

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Handling for disposal

None known.

Methods of disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport Information

D.O.T/ADR/RID - Ground transportation

14.1 UN number

14.2 UN proper shipping name

Not regulated for transportation by DOT, TDG, IMDG, and ICAO/IATA.

14.3 Transport hazard class(es)

14.4 Packing group

Air transport (ICAO/IATA)

14.1 UN number

None known.

14.2 UN proper shipping name

Not regulated for transportation by DOT, TDG, IMDG, and ICAO/IATA.

14.3 Transport hazard class(es)

14.4 Packing group

Sea transport (IMDG)

14.1 UN number

None known.

14.2 UN proper shipping name

Not regulated for transportation by DOT, TDG, IMDG, and ICAO/IATA.

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

None known.

14.6. Special precautions for user

None known.

14.7. Transport in bulk according to Annex II of Marpol112 and the IBC Code

None known.

SECTION 15: Regulatory information

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

Country or region

United States of America

Inventory List

Toxic Substance Control Act (TSCA)

Listed or Exempt (yes/no)

Yes



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15.2 Chemical Safety Assessment

None known.

SECTION 16: Other Information

Specific Hazard N/A.

HMIS Ratings

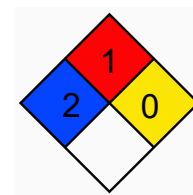
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

2 - Hazardous.

1 - Above 200°F.

0 - Stable, even under fire conditions and will not react with water, etc.

NFPA



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