



SAFETY DATA SHEET

**Air Conditioning Products
Tools, Equipment & Refrigerant**

MAC Ester SM UV

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

1.1 Product Identifier

Trade Name: MAC Ester SM UV

Created Date: 12/8/23

Other means of identification SDS # FJC-

Product Code #2443, 2445, 2447, 2449, 6896

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

Synthetic Performance Refrigeration Lubricant.

1.3 Details of the supplier of the safety data sheet

FJC Air Conditioning Products

101 Commercial Drive
Mooresville, NC 28115

Phone: (704) 664-3587 Customer Service

Fax: (704) 664-5522

1.4 Emergency telephone number

(800) 535-5053 (USA)

INFOTRAC: +1-352-323-3500 (International)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

This product is not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2 Label elements

Signal Word No Signal Word

Hazard Statements

This product is not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Precautionary Statements

General

This material is not considered hazardous.

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
MAC Ester SM UV	-		-

Additional Information

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

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SECTION 4: First aid measures

4.1 Description of first aid measures

General notes	No hazards which require special first aid measures.
After inhalation	None under normal use conditions.
After skin contact	Wash with soap and water.
After eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.
After ingestion	Get medical attention.
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	Dry chemical, CO ₂ , Foam, Fog.
Unsuitable extinguishing media	Do not use water stream or water jet.

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. Keep adjacent containers cool with water spray.

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

None known.

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.

6.4 Reference to other sections

None known.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

avoid contact with skin and eyes. Wash hands before eating, drinking, or smoking.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool, and well-ventilated place. Keep away from heat, sparks, flame, and other sources or



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ignition.

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

Provide adequate ventilation. Eye washes and showers for emergency use.

Environmental exposure controls

None known.

8.3 Protective Measures

Eye/face protection

Wear safety glasses with shade shields (or goggles).

Hand protection

Wear protective gloves and protective clothing.

Other Skin protection

Wear full protective clothing and chemical resistant gloves to prevent prolonged skin contact.

Other protection

None known.

Respiratory protection

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

General hygiene consideration

Handle in accordance with good industrial hygiene and safety practice.

Thermal hazards

None known.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Property	Value
Appearance	Clear.
Autoignition Temperature	None known.
Boiling Point	None known.
Colors	Neon.
Density	0.897 - 0.903 at 59°F/15°C.
Flash Point	500°F/260°C.
Melting/Freezing Point	None known.
Pour Point	<-10F/-39°C.
State of Matter	Liquid.
Vapor Density	None known.
Vapor Pressure	None known.
Viscosity, kinematic	86 - 105 cSt at 104°F/40°C.
Viscosity, kinematic	None known.
Water Miscibility	None known.
pH Value	None known.

9.2 Other information

None known.

SECTION 10: Stability and Reactivity

10.1 Reactivity

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None known.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

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.

Symptoms related to characteristics None known.

Acute effects None known.

Chronic effects None known.

Numerical measures of Toxicity

None known.	
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Skin corrosion/irritation Not a classified hazard.

Serious eye damage/eye irritation Not a classified hazard.

Respiratory sensitization Not a classified hazard.

Skin sensitization Not a classified hazard.

Carcinogenicity No component 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 Not a classified hazard.

Reproductive toxicity Not a classified hazard.

Specific target organ toxicity - single exposure Not a classified hazard.

Specific target organ toxicity - repeated exposure Not a classified hazard.

Aspiration hazard Not a classified hazard.

SECTION 12: Ecological information

12.1 Toxicity

12.1 Numerical measures of Toxicity Not expected to be an environmental hazard.



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None known.	
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12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

Not expected to bio-accumulate.

12.4 Mobility in soil

Low mobility due to low water solubility.

12.5 Results of PBT and vPvB assessment

None known.

12.6 Other adverse effects

None known.

12.7 Additional Information

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Handling for disposal	None known.
Methods of disposal	Disposal should be in accordance with applicable regional, national, and local laws and regulations.
Contaminated packaging	Dispose of in accordance with federal, state, and local regulations.

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)	None known.
14.4 Packing group	None known.

Air transport (ICAO/IATA)

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)	None known.
14.4 Packing group	None known.

Sea transport (IMDG)

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)	None known.
14.4 Packing group	None known.



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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

15.2 Chemical Safety Assessment

None known.

SECTION 16: Other Information

Specific Hazard

N/A.

HMIS Ratings

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

0 - Normal material.

1 - Above 200°F.

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

NFPA

