



SAFETY DATA SHEET

Issue Date 01-31-2018

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Version 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name: A/C QUIET™

Other means of identification

Common Name: 0133
UN/ID No Not Regulated
Synonyms None
Product Categories Refrigerant Lubricant, Automotive

Recommended use of the chemical and restrictions on use

Sale and Use Restrictions Not applicable
Recommended Use Restricted to professional users.
Uses advised against Consumer use

Details of the supplier of the safety data sheet

Supplier Address
MOC PRODUCTS CO., INC.
12306 Montague Street
Pacoima, CA 91331

Emergency telephone number

Company Phone Number MOC PRODUCTS CO., INC. (818) 794-3500
Emergency Telephone CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Reproductive toxicity	Category 2
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Label elements

Emergency Overview

Warning

Hazard statements

Suspected of damaging fertility or the unborn child



Appearance Oil

Physical state Liquid

Odor Bland

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

- Very toxic to aquatic life with long lasting effects
 - Very toxic to aquatic life
- 98.51 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Tricresyl phosphate	1330-78-5	0.5-1.0	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General advice	If exposed or concerned: Get medical advice/attention.
Skin contact	Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.
Inhalation	IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If breathing is irregular or stopped, administer artificial respiration. Call a POISON CONTROL CENTER or doctor/physician if you feel unwell.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician if irritation develops and persists.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). If symptoms develop, seek medical attention.
Notes to Physician	Treat symptomatically.

Most important symptoms and effects, both acute and delayed

Symptoms Skin irritation, Respiratory irritation, Tremors, Lack of coordination.

Indication of any immediate medical attention and special treatment needed

Self-protection of the first aider Low hazard for usual industrial or commercial handling.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Foam, Dry chemical; Carbon dioxide (CO₂).

Small Fire Dry chemical or CO₂.

Large Fire Foam.

Explosive properties: May form explosive mixtures in presence of oxidizing substances (gas/dust).

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors. The product is insoluble and floats on water.

Hazardous combustion products Carbon monoxide, Carbon dioxide (CO₂), Hydrocarbons, Smoke, Aldehydes.

Specific methods:

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge May be ignited by heat, sparks or flames.

Special firefighting procedures:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Keep exposed unopened containers cool to prevent rupture. Use water spray to keep fire-exposed containers cool. Do not use a solid water stream as it may scatter and spread fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Contaminated surfaces will be extremely slippery. Do not touch or walk through spilled material. Ventilate closed spaces before entry. Ensure adequate ventilation. Remove all

sources of ignition. Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment.

For emergency responders Use personal protection recommended in Section 8. Remove all sources of ignition. Ventilate the area.

Environmental precautions

Environmental precautions: Avoid release to the environment. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

Methods and material for containment and cleaning up

Methods for Containment Stop leak if you can do it without risk. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to state, local, federal regulations.

Methods for clean-up: Clean-up methods - small spillage: Soak up with inert absorbent material. Shovel or sweep up. Keep in suitable, closed containers for disposal. Clean-up methods - large spillage: Dike area of spill to prevent spreading. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Wash spill area with soap and water.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling: Protect from physical damage. Keep only in original container. Keep containers tightly closed in a cool, well-ventilated place. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Take precautionary measures against static discharge. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose these containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Keep away from any incompatible materials (See Section 10).

Conditions for safe storage, including any incompatibilities

Technical measures/precautions: Ensure adequate ventilation, especially in confined areas. Eye wash and safety shower should be easily accessible.

Materials to avoid: Strong acids and strong bases; Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA Exposure Limits:	NIOSH IDLH
Tricresyl phosphate 1330-78-5	-	Not established	-

Other information Contains synthetic base stock. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m³ and the ACGIH TWA of 5 mg/m³.

Appropriate engineering controls

Engineering measures: Ensure adequate ventilation, especially in confined areas. Eye wash and safety shower should be easily accessible.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Do not wear rings, watches or similar apparel that could entrap the material. Recommended Use. Neoprene gloves. Discard gloves that show tears, pinholes or signs of wear.

Respiratory protection Ensure adequate ventilation, especially in confined areas. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. NIOSH/MSHA approved respirator with organic vapor cartridge is recommended if exposure limit is exceeded. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use. Self contained breathing apparatus is recommended for confined space entry.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Avoid contact with eyes, skin and clothing. Take off contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Bland
Appearance	Oil	Odor threshold	No information available
Color	Fluorescent Yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	N/A	Not applicable
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available . / .	
Flash point	176 °C / 355 °F	ASTM D92, Cleveland Open Cup
Evaporation rate	Slower than ether	Slower than ether
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability limit	No Data Available	
Lower flammability limit	No Data Available	
Vapor pressure	No Data Available	
Vapor density	Heavier than air	
Specific Gravity	0.96	
Water solubility	Insoluble in water	
Solubility in other solvents	No Data Available	
Partition coefficient	No Data Available	
Autoignition temperature	No Data Available	
Decomposition temperature	No Data Available	
Kinematic viscosity	No information available	
Dynamic viscosity	No Data Available	
Explosive properties	No Data Available	
Oxidizing properties	No Data Available	

Other information

Softening point	No Data Available
Molecular weight	No Data Available
VOC Content (%)	
VOC Content (%)	None
Density	0.96 g/cc
Bulk density	No Data Available

10. STABILITY AND REACTIVITY

Reactivity

Reactivity Stable under normal conditions.

Chemical stability

Possibility of Hazardous Reactions None under normal processing.
Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks; Incompatible materials.

Incompatible materials

Materials to avoid: Strong acids and strong bases; Oxidizing agents.

Hazardous Decomposition Products

Hazardous Decomposition Products Carbon monoxide, Carbon dioxide (CO₂), Hydrocarbons, Aldehydes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Suspected of damaging fertility or the unborn child.
Inhalation	Inhalation of oil mists or vapors generated at elevated temperatures may cause respiratory irritation.
Eye contact	No Data Available.
Skin Contact	Causes mild skin irritation. Repeated or prolonged exposure: May cause irritation.
Ingestion	No Data Available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tricresyl phosphate 1330-78-5	3000 mg/kg (Rat)	-	-

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	Skin Sensitization: Not expected. Respiratory Sensitization: Not classified.
Mutagenic effects:	No data available to indicate product or any components present at or greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, NTP, or OSHA.
Reproductive toxicity	Suspected of damaging fertility or the unborn child. Product contains a chemical which is a known or suspected reproductive hazard: Tricresyl phosphate (CAS#1330-78-5).
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Chronic toxicity	Experiments have shown reproductive toxicity effects on laboratory animals.
Subchronic toxicity	No information available.
Target Organ Effects	Skin; Eyes.
Neurological effects	Repeated occupational exposure to tricresyl phosphate over a prolonged period of time may cause delayed neurotoxicity characterized by ataxia and tremors.
Other adverse effects	No information available.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity	98.51 % of the mixture consists of ingredient(s) of unknown toxicity
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12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity: Very toxic to aquatic life. Chronic Aquatic Toxicity: Very toxic to aquatic life with long lasting effects.

98.81 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tricresyl phosphate 1330-78-5		0.21 - 0.32: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 3.3 - 6.2: 96 h Oncorhynchus mykiss mg/L LC50 static 0.1 - 0.22: 96 h Lepomis macrochirus mg/L LC50 flow-through 20.4 - 41.2: 96 h Lepomis macrochirus mg/L LC50 static 3.2 - 10: 96 h Oryzias latipes mg/L LC50 semi-static 4.8 - 6.4: 96 h Poecilia reticulata mg/L LC50 semi-static		

Persistence and degradability

NOT READILY BIODEGRADABLE.

Bioaccumulation

No Data Available.

Mobility

The product is insoluble and floats on water.

Chemical Name	Partition coefficient
Tricresyl phosphate 1330-78-5	5.93

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Do not reuse container. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

Federal Regulations

SARA 313

No SARA 313 chemicals are present above the reporting threshold.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

State Regulations (RTK)

California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm:

Chemical Name	CAS Number	California Proposition 65
Hydrogen cyanide	74-90-8	Carcinogen Male Reproductive
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Rating

Health hazards 1

Flammability 1

Instability 0

Physical and Chemical Properties -

HMIS Rating

Health hazards 1*

Flammability 1

Physical hazards 0

Personal protection B*Chronic Hazard Star Legend*** = Chronic Health Hazard***Prepared by**

Environmental Health and Safety Department

Issue Date

01-31-2018

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Revision Note

This data sheet contains changes from the previous version in section(s): 15.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet