

Safety Data Sheet

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

Material Name : QUIN-CIP-D
Uses : Mixture.
Manufacturer/Supplier : Quincy Compressor
701 N. Dobson Ave.
Bay Minette, AL 36507
US.
Telephone : Please contact the nearest Quincy Compressor office in US: 251.937.5900
Emergency Telephone : Only for transport emergency call Chemtrec: +1 703 527 3887 or within USA:
800 424 9300.

2. HAZARDS IDENTIFICATION

Hazard Classification

Health Hazards

: Toxic to reproduction Category 2
: Specific Target Organ Toxicity - Category 2 Repeated Exposure

Unknown toxicity

Acute toxicity, oral : 0.0 %

Acute toxicity, dermal : 0.0 %

Acute toxicity, inhalation, vapor
: 38.0 %

Acute toxicity, inhalation, dust or mist
: 98.1 %

Label Elements

Hazard Symbol



Signal Word : Warning

Hazard Statement : Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust or mists. Avoid release to the environment.

Response : If exposed or concerned: Get medical advice/attention.

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- Storage** : Store locked up.
- Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Other hazards which do not result in GHS classification**
: None identified.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	Percent by Weight
Alkarylamine	68411-46-1	1 - 5%
Tricresyl phosphate	1330-78-5	0.5 - 1%

4. FIRST AID MEASURES

- General information** : Get medical advice/attention if you feel unwell.
- Ingestion** : Rinse mouth. Call a POISON CENTER/doctor/.../if you feel unwell..
- Inhalation** : If breathing is difficult, give oxygen. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/....
- Skin Contact** : Wash skin thoroughly with soap and water. Call a POISON CENTER/doctor/.../if you feel unwell. Launder contaminated clothing before reuse.
- Eye Contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor/...
- Most important symptoms/effects, acute and delayed**
Symptoms : Symptoms may be delayed.
- Indication of immediate medical attention and special treatment needed**
Treatment : Treat symptomatically.

5. FIRE FIGHTING MEASURES

- General Fire Hazards** : No unusual fire or explosion hazards noted.
- Suitable (and unsuitable) extinguishing media**
Suitable extinguishing media
: CO₂, dry chemical, foam, water spray, water fog.
- Unsuitable extinguishing media**
: Do not use water jet as an extinguisher, as this will spread the fire.

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Specific hazards arising from the chemical

- : A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information. Water may cause splattering.

Special protective equipment and precautions for firefighters

Special firefighting procedures

- : No data available.

Special protective equipment for fire-fighters

- : Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots.
-

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep upwind. Keep unauthorized personnel away. See Section 8 of the SDS for Personal Protective Equipment.

Methods and material for containment and cleaning up

- : Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas.

Environmental Precautions

- : Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
-

7. HANDLING AND STORAGE

Precautions for safe handling

- : Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes. Avoid contact with eyes, skin, and clothing. Observe good industrial hygiene practices. Use only in well-ventilated areas. Use personal protective equipment as required. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Launder contaminated clothing before reuse. Avoid environmental contamination.

Maximum Handling Temperature

- : Not determined.

Conditions for safe storage, including any incompatibilities

- : Keep container tightly closed. Store in a well-ventilated place.

Maximum Storage Temperature

- : Not determined.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

: None of the components have assigned exposure limits.

Appropriate engineering controls

: No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment

General information : Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye/face protection : Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

Skin Protection

Hand Protection : Suitable gloves can be recommended by the glove supplier. Nitrile.

Other : Wear apron or protective clothing in case of contact.

Respiratory Protection : A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Use respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Hygiene measures : Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Observe good industrial hygiene practices. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using the product. Do not get in eyes. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Wash hands after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : Liquid
Form : liquid
Color : Colorless to yellow
Odor : Mild
Odor threshold : No data available.
pH : No data available.
Freezing point : No data available.
Boiling Point : No data available.
Flash Point : 500 °F (260 °C) (Cleveland Open Cup)
Evaporation rate : No data available.
Flammability (solid, gas): No data available.

Upper/lower limit on flammability or explosive limits



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Flammability limit - upper (%)
: No data available.
Flammability limit - lower (%)
: No data available.
Explosive limit - upper (%)
: No data available.
Explosive limit - lower (%)
: No data available.
Vapor pressure
: No data available.
Vapor density
: No data available.
Relative density
: 0.901 60.1 °F (15.6 °C)
Solubility(ies)
Solubility in water
: Insoluble in water
Solubility (other)
: No data available.
Partition coefficient (n-octanol/water)
: No data available.

Auto-ignition temperature: No data available.
Viscosity
: No data available.

10. STABILITY AND REACTIVITY

Reactivity
: No data available.
Chemical Stability
: Material is stable under normal conditions.
Possibility of Hazardous Reactions
: Will not occur.
Conditions to Avoid
: Do not expose to excessive heat, ignition sources, or oxidizing materials.
Incompatible Materials
: Strong oxidizing agents
Hazardous Decomposition Products
: Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
: No data available.
Ingestion
: No data available.
Skin Contact
: No data available.
Eye contact
: No data available.

Information on toxicological effects

Acute toxicity

Oral
Product
: Not classified for acute toxicity based on available data.
Dermal
Product
: Not classified for acute toxicity based on available data.
Inhalation
Product
: Not classified for acute toxicity based on available data.



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Skin Corrosion/Irritation :

Product : Prolonged or repeated contact may cause irritation.

Serious Eye Damage/Eye Irritation:

Alkarylamine : Classification: May cause irritation. (Literature); Rabbit.

Tricresyl phosphate : Classification: May cause irritation. (Literature); Rabbit.

Respiratory sensitization: No data available

Skin sensitization :

Alkarylamine Classification

: Not a skin sensitizer. (Literature) Not a skin sensitizer

Specific Target Organ Toxicity - Single Exposure

Alkarylamine : If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Tricresyl phosphate : If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Aspiration Hazard : No data available

Chronic Effects

Carcinogenicity : No data available

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

: No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens

: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

: No carcinogenic components identified

Germ Cell Mutagenicity :

Alkarylamine : The Ames Salmonella test for mutagenicity was negative for this product.

Reproductive toxicity :

Tricresyl phosphate : Suspected of damaging fertility.
This material has been shown to impair fertility and cause adverse reproductive effects in rats and mice..

Specific Target Organ Toxicity - Repeated Exposure

Alkarylamine : Repeated overexposure may result in liver and kidney damage. Oral: Target Organ(s): Liver, Kidney

Tricresyl phosphate : Repeated occupational exposure to tricresyl phosphate over a prolonged period of time may cause delayed neurotoxicity characterized by ataxia and tremors.

12. ECOLOGICAL INFORMATION

Ecotoxicity**Fish**

Alkarylamine : LC 50 (Zebra Fish, 4 d): > 100 mg/l

Tricresyl phosphate : LC 50 (Rainbow Trout, 4 Days): 0.6 mg/l
NOEC (Rainbow Trout, 4 Days): 0.56 mg/l

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Aquatic Invertebrates :
Alkarylamine : EC 50 (Water flea (Daphnia magna), 2 d): 51 mg/l
Tricresyl phosphate : EC 50 (Water flea (Daphnia magna), 2 d): 0.146 mg/l

Toxicity to Aquatic Plants
Alkarylamine : EC 50 (Green algae (Scenedesmus quadricauda), 3 d): > 100 mg/l
Tricresyl phosphate : EC 50 (Alga, 3 Days): 0.4042 mg/l

Toxicity to soil dwelling organisms
: No data available

Sediment Toxicity : No data available

Toxicity to Terrestrial Plants
: No data available

Toxicity to Above-Ground Organisms
: No data available

Toxicity to microorganisms
Alkarylamine : EC 50 (Sludge, 0.1 d): > 100 mg/l
Tricresyl phosphate : LC 50 (Sludge, 0.1 Days): > 1,000 mg/l

Persistence and Degradability
Biodegradation :
Mineral oil : OECD TG 301 B, 1 %, 28 d, Not readily degradable.
Tricresyl phosphate : OECD TG 301 D, 24.2 %, 28 d, Not readily degradable.

Bioaccumulative Potential
Bioconcentration Factor (BCF)
: No data available
Partition Coefficient n-octanol / water (log Kow)
Tricresyl phosphate : Log Kow: 5.93 (Measured)

Mobility : No data available

Other Adverse Effects : No data available.

13. DISPOSAL CONSIDERATIONS

Disposal instructions : Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.
Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue which may exhibit hazards of product.

Contaminated Packaging : Container packaging may exhibit hazards.

14. TRANSPORT INFORMATION

DOT : Not regulated.
IMDG : Not regulated.
IATA : Not regulated



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Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

: None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Review classification requirements before shipping materials at elevated temperatures.

15. REGULATORY INFORMATION

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

: None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories : Acute (Immediate) Delayed (Chronic) Health Hazard Chronic (Delayed)

SARA 302 Extremely Hazardous Substance

SARA 304 Emergency Release Notification

SARA 311/312 Hazardous Chemical

SARA 313 (TRI Reporting)

: This product may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). For additional information please contact Lubrizol Customer Assistance:
America(s): AmerLZAMCustomerAssistance@Lubrizol.com ;
Europe: EMEAICustomerAssistance@Lubrizol.com ;
Asia: APCustomerAssistance@Lubrizol.com

US State Regulations

US. California Proposition 65

: No ingredient regulated by CA Prop 65 present.

Inventory Status

Australia (AICS): All components are in compliance with chemical notification requirements in Australia.

Canada (DSL/NDL) : All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

China (IECSC) : All components of this product are listed on the Inventory of Existing Chemical Substances in China.

European Union (REACH) : To obtain information on the REACH compliance status of this product, please visit Lubrizol.com/REACH, or e-mail us at REACH_MSDS_INQUIRIES@Lubrizol.com

Japan (ENCS) : All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL) : All components are in compliance in Korea.

New Zealand (NZIoC) : All components are in compliance with chemical notification requirements in New Zealand.

Philippines (PICCS): All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

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Switzerland (SWISS) : All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Taiwan (TCSCA): All components of this product are listed on the Taiwan inventory.

United States (TSCA) : All components of this material are on the US TSCA Inventory.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

16. OTHER INFORMATION

HMIS Hazard ID :

Health	2
Flammability	1
Physical Hazards	0

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID :



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date : 04/24/2015

Version # : 1.0

Source of information : Internal company data and other publically available resources.

Further Information : Contact supplier (see Section 1)

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