



# SAFETY DATA SHEET

## Air Conditioning Products Tools and Equipment

Issue Date 01-Jan-2009

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Version 1

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

#### 1.1. Product identifier

Product form : Substance  
Trade name : FJC VACUUM PUMP OIL.  
CAS No : 64742-52-5  
Product code : 2200, 2200-55, 2202

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

Use of the substance/mixture : Vacuum Pump Oil

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier Address

FJC  
101 Commercial Drive  
 Mooresville, NC 28115

#### 1.4. Emergency telephone number

Emergency number : INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Not classified

#### 2.2. Label elements

##### GHS-US labeling

Signal word (GHS-US) : Warning

#### 2.3. Other hazards

Other hazards not contributing to the classification: None under normal conditions.

#### 2.4. Unknown acute toxicity (GHS-US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Name : Distillates (Petroleum), Hydrotreated Heavy Naphthenic  
CAS No : 64742-52-5

EC no : 265-155-0  
EC index no : 649-465-00-7

Name	Product identifier	%	Classification (GHS-US)
Distillates (Petroleum), Hydrotreated Heavy Naphthenic (Main constituent)	(CAS No) 64742-52-5	>= 95	Not classified

Full text of H-phrases: see section 16

### 3.2. Mixture

Not applicable  
The exact percentage is a trade secret.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : N (show the label where possible). scious person. li advice  
First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.  
First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with warm water rinse.  
First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.  
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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EN (English US)

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Symptoms/injuries after skin contact : May cause slight irritation . May cause moderate irritation. Red skin.  
Symptoms/injuries after eye contact : May cause slight eye irritation . May cause severe irritation. Inflammation/damage of the eye tissue. Redness of the eye tissue.  
Symptoms/injuries after ingestion : May be harmful if swallowed and enters airways. May be fatal if swallowed and enters airways.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
Unsuitable extinguishing media : No unsuitable extinguishing media known. Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources.

#### 6.1.1. For non-emergency personnel

Protective equipment : Gloves. Safety glasses.

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EN (English US)

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Emergency procedures : Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

Protective equipment : Equip cleanup crew with proper protection.  
 Emergency procedures : Ventilate area.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**6.3. Methods and material for containment and cleaning up**

For containment : Dam up the liquid spill. Plug the leak, cut off the supply. Contain released substance, pump into suitable containers.  
 Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**6.4. Reference to other sections**

See Heading 8. Exposure controls and personal protection.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.  
 Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash affected areas thoroughly after handling. Wash contaminated clothing before reuse.

**7.2. Conditions for safe storage, including any incompatibilities**

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Comply with applicable regulations.  
 Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.  
 Incompatible products : Strong bases. Strong acids.  
 Incompatible materials : Sources of ignition. Direct sunlight.

**7.3. Specific end use(s)**

Follow Label Directions.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

<b>FJC VACUUM PUMP OIL. (64742-52-5)</b>		
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³ Inhalable fraction

**8.2. Exposure controls**

Appropriate engineering controls : Local exhaust ventilation, vent hoods.  
 Personal protective equipment : Gloves. Safety glasses. Avoid all unnecessary exposure.



Hand protection : Wear protective gloves.  
 Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : Wear appropriate mask.  
Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance :  
Color : Liquid.  
Odor : Colourless to yellow.  
Odor threshold : Petroleum-like odour. Hydrocarbon.  
pH : No data available  
Relative evaporation rate (butyl acetate=1) : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : > 154.4 °C  
Decomposition temperature : > 323.9 °C  
Flammability (solid, gas) : No data available  
Vapor pressure : No data available  
Relative vapor density at 20 °C : No data available  
Relative density : No data available  
Solubility : 0.91  
Log Pow : Insoluble in water.  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : 39.86 cSt @ 40 deg C  
Explosive properties : No data available  
Oxidizing properties : No data available

Explosive limits : No data available  
No data available

#### 9.2. Other information

VOC content : 0 %

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

FJC VACUUM PUMP OIL. ( V )64742-52-5	
LD50 oral rat	> 5000 ml/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	2.18 mg/l/4h

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after skin contact	: May cause slight irritation . May cause moderate irritation. Red skin.
Symptoms/injuries after eye contact	: May cause slight eye irritation . May cause severe irritation. Inflammation/damage of the eye tissue. Redness of the eye tissue.
Symptoms/injuries after ingestion	: May be harmful if swallowed and enters airways. May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - air	: TA-Luft Klasse 5.2.7.1.1/II.
Ecology - water	: Severe water pollutant (surface water). Ground water pollutant.

#### FJC VACUUM PUMP OIL. (64742-52-5)

EC50 Daphnia 1	> 1000 mg/l 48 HOURS
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### 12.2. Persistence and degradability

#### FJC VACUUM PUMP OIL. (64742-52-5)

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

#### FJC VACUUM PUMP OIL. (64742-52-5)

Bioaccumulative potential	Not established.
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations	: Remove to an authorized waste collection point. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Use appropriate containment to avoid environmental contamination. Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Hazardous waste according to Directive 2008/98/EC.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADI

US DOT (ground):	Not regulated,
ICAO/IATA (air):	Not regulated,
IMO/IMDG (water):	Not regulated,

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not regulated

#### 14.3. Additional information

Other information : No supplementary information available.

#### Overland transport

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### FJC VACUUM PUMP OIL. (64742-52-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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#### 15.2. International regulations

##### CANADA

##### FJC VACUUM PUMP OIL. (64742-52-5)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

##### FJC VACUUM PUMP OIL. (64742-52-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Carc. 1B H350

Full text of H-phrases: see section 16

#### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R20

Full text of R-phrases: see section 16

#### 15.2.2. National regulations

##### FJC VACUUM PUMP OIL. (64742-52-5)

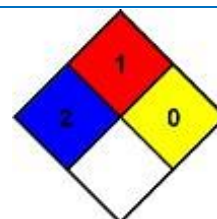
Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.  
NFPA fire hazard : 1 - Must be preheated before ignition can occur.  
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
Flammability : 1 Slight Hazard  
Physical : 0 Minimal Hazard  
Personal Protection : B

SDS US (GHS HazCom 2012) - TCC

#### **Disclaimer**

The information provided in this 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**