

safety, people focused
quality



WINTER 2021
REWARDS

DECEMBER & JANUARY

AS WE APPROACH
THE HOLIDAYS &
A NEW YEAR...

we're giving YOU a present!

Don't buy your parts & oil from Land of Misfit Toys, buy them from JAX!

Each 55 gallon drum of
JAX 717 Refrigeration Oil
IS ONLY \$610*!

*PRICING IS VALID DECEMBER 1, 2020
THROUGH JANUARY 30, 2021.
PRICING DOES NOT INCLUDE FREIGHT,
APPLICABLE TAXES
OR LIFT GATE IF NEEDED.

check back each month for our specials!



**Fridgie's
savings
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Contact Ralph
for all your parts & service needs.

call or email
904.574.0616
rwalker@jaxref.com



1529 South 3rd Street, Jacksonville Beach, FL 32250 - P: 904-249-1400 - F: 904-249-2900 - www.jaxrefrigeration.com

JAX-717

Premium Ammonia Compressor Fluid

JAX-717 represents the next generation of 2-stage hydrocracked ammonia refrigeration lubricants. This lubricant is an enhanced version of the technology used by most OEMs. It offers reduced solubility with ammonia, less oil carryover, and better pumpability even under extremely low-temperature conditions.

JAX-717 is also completely top-off compatible with most normal paraffinics, naphthenics, alkylbenzenes, PAOs, and single-stage hydrocracked products.

ATTRIBUTES

- Formulated specifically for use in ammonia refrigeration systems
- Very low oil carryover rates, 50-80% less than competitor formulations
- Long-lasting formulation, significantly increases fluid life
- Reduced lubricant use
- Less viscosity dilution due to lower ammonia solubility
- For use in applications with evaporator temperatures down to -45°C
- Compatible with most competitive fluids, no flushing required

TYPICAL LUBRICANT PROPERTIES

JAX-717 Grades	68
Viscosity Index	110
Viscosity cSt @ -40°C	115,602
Viscosity cSt @ -20°C	5,758
Viscosity cSt @ 0°C	825
Viscosity cSt @ 40°C	63.8
Viscosity cSt @ 100°C	8.78
Flash Point °F (°C)	480 (249)
Pour Point °F (°C)	-44 (-42)
Copper Corrosion, 24 Hr	1a
Demulsibility, 130°F, 30 Min	40/40/0

JAX-717

Premium Ammonia Compressor Fluid

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

1. Identification

Product identifier

Trade name JAX-717

Product description Premium Ammonia Compressor Fluid

Details of the supplier of the safety data sheet

Manufacturer/supplier JAX Refrigeration
1529 South 3rd Street - Jacksonville Beach, FL 32250
904-249-1400

Emergency telephone number 904-249-1400

2. Hazard(s) Identification

Classification of the substance or mixture The substance is not classified according to the Globally Harmonized System (GHS).

Label elements

GHS label elements Non-regulated material

Hazard pictograms Non-regulated material

Signal word Non-regulated material

Hazard statements Non-regulated material

Classification System

NFPA ratings (scale 0-4)



Health=0; Fire=1; Reactivity=0

HMIS-ratings (scale 0 - 4)



Health=0; Fire=1; Reactivity=0

JAX-717 - Premium Ammonia Compressor Fluid

3. Composition / Information on Ingredients

Chemical characterization	Mixtures
Description	Mixture of the substances listed below with nonhazardous additions
Dangerous Components	Non-regulated material

4. First-aid Measures

Description of first aid measures

General information	No special measures required
After inhalation	Supply fresh air; consult doctor in case of complaints
After skin contact	Generally the product does not irritate the skin
After eye contact	Rinse opened eye for several minutes under running water
After swallowing	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Treat symptomatically.
Most important symptoms and effects, both acute and delayed	No further relevant information available
Indication of any immediate medical attention and special treatment needed	No further relevant information available

5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing agents	CO ₂ or Powder. Water mist to cool, no direct water spray. Collect spillage.
Special hazards arising from the substance or mixture	No further relevant information available

Advice for firefighters

Protective equipment	As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.
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6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Not required

Environmental precautions

No special measures required

Methods and material for containment and cleaning up

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose of the collected material according to regulations.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

JAX-717 - Premium Ammonia Compressor Fluid

7. Handling and Storage

Precautions for safe handling No special measures required

Information about protection against explosions and fires No special measures required

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles No special requirements

Information about storage in one common storage facility Not required

Further information about storage conditions None

Specific end use(s) No further relevant information available

8. Exposure Controls / Personal Protection

Additional information about design of technical systems No further data; see section 7

Control parameters

Components with occupational exposure limits The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

Additional information The lists that were valid during the creation were used as basis

Exposure controls

Personal protective equipment

General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed

Breathing equipment Normally not necessary. If mist is generated, wear approved organic vapor respirator suitable for oil mist areas with sufficient oxygen.

Protection of hands Normally none required, for direct contact of more than 2 hours, PVC, Viton, or Nitrile gloves are recommended.

Material of gloves Not required

Penetration time of glove material Not applicable

Eye protection Normally none required, chemical goggles if splashing is likely or high pressure systems are used.

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9. Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Appearance

Form	Liquid
Color	See product
Odor	Slight EP Odor
Odor Threshold	Not determined
pH-value	Not determined

Change in condition

Melting point/Melting range	Not applicable
Boiling point/Boiling range	>570°F (>298°C)
Flash Point	>420°F (>216°C)
Flammability (solid/gaseous)	Not applicable

Ignition temperature

Decomposition temperature	Not determined
Auto-igniting	Not determined
Danger of explosion	Not determined

Explosion limits

Lower	Not determined
Upper	Not determined
Vapor Pressure @ 20 DEG C	<0.003 kPa
Density @ 20 DEG C	0.85-0.88
Relative Density	Not determined
Vapor Density	Not determined
Evaporation Rate	Not determined
Solubility in/Miscibility with Water	Not miscible
Partition coefficient (n-octanol/water)	Not determined

Viscosity

Viscosity - Dynamic	Varies with grade
Viscosity - Kinematic	Varies with grade

Solvent content

Organic solvents	0.00%
Other Information	No further information

JAX-717 - Premium Ammonia Compressor Fluid

10. Stability and Reactivity

Reactivity	No further relevant information available
Chemical stability	Stable under normal conditions
Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications
Possibility of hazardous reactions	No dangerous reactions known
Conditions to avoid	No further relevant information available
Incompatible materials	No further relevant information available
Hazardous decomposition products	No dangerous decomposition products known

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Primary irritant effect

On the skin No irritating effect

On the eye No irritating effect

Additional toxicological information The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer) None of the ingredients are listed.
Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans
Group 2B - Possibly carcinogenic to humans
Group 3 - Not classifiable as to its carcinogenicity to humans
Group 4 - Probably not carcinogenic to humans

NTP (National Toxicology Program) None of the ingredients are listed

OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients are listed

12. Ecological Information

Toxicity	No data is available on this product
Aquatic toxicity	No further relevant information available
Persistence and degradability	No further relevant information available
Bioaccumulative potential	No further relevant information available
Mobility in soil	No further relevant information available

Additional ecological information

JAX-717 - Premium Ammonia Compressor Fluid

12. Ecological Information (continued)

General notes	Generally not hazardous for water
Results of PBT and vPvB assessment	
PBT	Not applicable
vPvB	Not applicable
Other adverse effects	No further relevant information available

13. Disposal Considerations

Waste treatment methods

Recommendation	Smaller quantities can be disposed of with household waste. Recycle or dispose with household trash.
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Uncleaned packagings

Recommendation	Disposal must be made according to official regulations.
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14. Transportation Information

UN-Number

DOT, ADN, IMDG, IATA	Non-regulated material
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ADR	Non-regulated material
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UN proper shipping name

DOT, ADR, ADN, IMDG, IATA	Non-regulated material
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Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA	Non-regulated material
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Class	Non-regulated material
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Packing group

DOT, ADR, IMDG, IATA	Non-regulated material
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Environmental hazards

Marine pollutant	No
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Special precautions for user	Not applicable
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Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
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UN "Model Regulation"	—
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JAX-717 - Premium Ammonia Compressor Fluid

15. Regulatory Information

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

Sara

Section 355 (extremely hazardous substances)	None of the ingredients are listed
Section 313 (Specific toxic chemical listings)	None of the ingredients are listed
TSCA (Toxic Substances Control Act)	All components are either listed or not regulated under TSCA

Carcinogenic categories

EPA (Environmental Protection Agency)	None of the ingredients are listed
TLV (Threshold Limit Value established by ACGIH)	None of the ingredients are listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	None of the ingredients are listed
GHS label elements	Non-regulated material
Hazard pictograms	Non-regulated material
Signal word	Non-regulated material
Hazard statements	Non-regulated material
National regulations	Non-regulated material
State Right to Know	Non-regulated material
Chemical safety assessment	A Chemical Safety Assessment has not been carried out.

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16. Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

Date of preparation / last revision	02/19/2016 / 1
Abbreviations and acronyms	<p>ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</p> <p>ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</p> <p>IMDG: International Maritime Code for Dangerous Goods</p> <p>DOT: US Department of Transportation</p> <p>IATA: International Air Transport Association</p> <p>ACGIH: American Conference of Governmental Industrial Hygienists</p> <p>EINECS: European Inventory of Existing Commercial Chemical Substances</p> <p>ELINCS: European List of Notified Chemical Substances</p> <p>CAS: Chemical Abstracts Service (division of the American Chemical Society)</p> <p>NFPA: National Fire Protection Association (USA)</p> <p>HMIS: Hazardous Materials Identification System (USA)</p>