



RT375 Viper Coil Degreaser Aerosol

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

1.1. Product identifier

Product form : Mixture
Product name : RT375 Viper Coil Degreaser Aerosol

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

1.3. Details of the supplier of the safety data sheet

Refrigeration Technologies
1111 N. Armando St.
Anaheim, CA 92806 - USA
T 1-800-869-1407
www.refrigtech.com

1.4. Emergency telephone number

Emergency number : 1-800-255-3924 ChemTel; International Calls 1-813-248-0585

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



GHS07

GHS04

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H280 - Contains gas under pressure; may explode if heated
H336 - May cause drowsiness or dizziness
H335 - May cause respiratory irritation
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements (GHS-US) : P102 - Keep out of reach of children
P103 - Read label before use
P235+P410 - Keep cool. Protect from sunlight
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by 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.

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 : 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. Avoid (reject) fire-fighting water to enter 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

6.1.1. For non-emergency personnel

- 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

- 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 vapour.

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7.2. Conditions for safe storage, including any incompatibilities

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.
Storage temperature	: <= 25 (5 - 40) °C
Storage area	: Keep container in a well-ventilated place. Keep container tightly closed. Store away from heat. Store in a cool area.
Special rules on packaging	: Keep only in original container.
Packaging materials	: Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses.
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	: Liquid under pressure.
Colour	: Straw.
Odour	: Characteristic odour.
Odour threshold	: No data available
pH	: >= 9.5 (9 - 10)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: < 0 °C Liquid concentrate
Boiling point	: >= 100 °C Liquid concentrate
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: Heavier than air
Relative density	: No data available
Density	: >= 0.96 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

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9.2. Other information

VOC content : <= 80 g/l Propellent

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

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified
pH: >= 9.5 (9 - 10)

Serious eye damage/irritation : Not classified
pH: >= 9.5 (9 - 10)

Respiratory or skin sensitisation : 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.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Readily biodegradable 28 days.

12.2. Persistence and degradability

RT375 Viper Coil Degreaser Aerosol

Persistence and degradability	Biodegradable in the soil. Biodegradable in water.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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12.4. Mobility in soil

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Ecology - soil	Not toxic to animals. Not toxic to plants.
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12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

Transport document description : UN1950 Aerosols (non-flammable, (each not exceeding 1 L capacity)), 2.2
UN-No.(DOT) : 1950
DOT NA no. : UN1950
DOT Proper Shipping Name : Aerosols
non-flammable, (each not exceeding 1 L capacity)
Department of Transportation (DOT) Hazard Classes : 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115
Hazard labels (DOT) : 2.2 - Non-flammable gas



DOT Packaging Exceptions (49 CFR 173.xxx) : 306
DOT Packaging Non Bulk (49 CFR 173.xxx) : None
DOT Packaging Bulk (49 CFR 173.xxx) : None
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other : 48 - Stow "away from" sources of heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

Additional information

Other information : Consumer Commodity ORM-D.

ADR

Transport document description :

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

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WHMIS Classification : Class A - Compressed Gas

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EU-Regulations

No additional information available

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

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

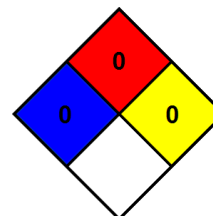
Other information : None.

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

NFPA specific hazard : None



HMIS III Rating

Health : 0 Minimal Hazard - No significant risk to health

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : A

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Date Prepared: 08-18-08

Product Identifier: **Viper Coil Degreaser**

Manufacturers Part #RT375A

General Use: Cleaning/Degreasing

Chemical Family: Aqueous Mixture

Manufacturer

Refrigeration Technologies (www.refrigtech.com)

2572 Fender Ave Bldg "C"

Fullerton, CA 92831

Ph: (800) 869-1407, 714-870-8361 Fax: 714-526-4598

24 HR Emergency Phones: Chem-Tel, Inc. (800) 255-3924; International: (813) 248-0585

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	CAS#	WEIGHT %	TWA	STEL	PEL	EINCES#
A-70 Hydrocarbon Propellant	68476-86-8	< 8	1000ppm	N/A	1000ppm	270-705-8

RISK PHRASE: R36, Irritating to Eyes

SECTION 3 - HAZARDOUS IDENTIFICATION

HMIS: H=0, F=0, R=0, S=0

Emergency Overview: CAUTION: Contents under pressure. Container will explode if heated.

Potential Health Effects:

EYES: Mild to moderate Irritation.

SKIN: Practically non-irritating

INGESTION: Practically no-toxic in low quantities.

INHALATION: Not expected to be a hazard under anticipated conditions of use. Heavy exposure may be irritating.

Carcinogenic: No NTP? No IARC Monographs? No OSHA Regulated? No

SECTION 4 - FIRST AID MEASURES:

EYES: Flush with water for 15 minutes. If irritation persists, call physician

SKIN: Wash off with soap and water.

INGESTION: Drink large amounts of water. Call physician

INHALATION: Get person to fresh air. Call physician

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

NFPA Hazard Rating: H=0, F=0, R=0, S=0

Flash Point: None as per flame extension. Flammable Limits: Not Tested LEL: Not Tested UEL: Not Tested

Extinguishing Media: Water, CO2 or Dry Foam Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: can may burst upon heating and become projectiles.

Hazardous Combustion Products: Hydrocarbons, CO, CO2

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Soak up with inert, absorbent material. Scoop up and place in a proper waste disposal container. Dispose of in accordance with federal, state and local regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions to be taken in handling and storing: CAUTION: Contents under pressure. Store in a cool, dry place, out of direct sunlight. Do not freeze or heat above 120 F. Keep container away from open flame. Use with adequate ventilation. Avoid contact with eyes.

Other precautions: KEEP OUT OF REACH OF CHILDREN

SECTION 8 - EXPOSURE/CONTROL MEASURES

Hazardous Component	NIOSH TWA/STEL	ACGIH TWA/STEL
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A-70 Hydrocarbon Propellant	1000ppm/NE	1000ppm/NE
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Respiratory Protection: Open all doors and windows. If there is an exposure and it is above the TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required

Ventilation: Local Exhaust: If available Special: None

Mechanical: If available Other: None

Protective Gloves: Plastic or Rubber, Chemical Resistant

Eye Protection: Glasses, Goggles

Other Protective Clothing or Equipment: None

Work Hygienic Practices: Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business. Directions for use are normally found on label that will dictate engineering and control measures.

PAGE 2: MSDS Viper # RT375A

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

Boiling Point >212F/100C	Specific Gravity: 1.06
Vapor Pressure: 76 psia	pH: 9-10
Vapor Density: Not Tested	Evaporation Rate: Not Tested
Solubility in Water: Complete	Appearance and Odor: Straw liquid, Little or No Odor
Viscosity: Not tested	Freeze Point: 32F/0C

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Temperatures above 120F/50C. Open flame
Incompatible Materials to Avoid: Strong oxidizers, Chlorine.
Hazardous Decomposition or Byproducts: Hydrocarbons, CO, CO2
Hazardous Polymerization: Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS#	Wt %	EINECS#	LC50 Inhaled	LD50 oral	LD50 dermal
A-70 Hydrocarbon Propellant	68476-86-8	<8	270-705-8	NA	NA	NA

SECTION 12 - ECOLOGICAL INFORMATION

Product is composed of readily biodegradable ingredients. None of the components are known to have aquatic toxicity or negative environmental impact. Always prevent chemicals from entering watercourses, sewer or drain without proper authorization

SECTION 13 - DISPOSAL CONSIDERATIONS

Always follow Federal, State and Local codes before disposal of any chemicals. Consult with an expert in your area on proper disposal methods. Chemicals should never be allowed to enter sewers, watercourses or low areas without proper authorization. Empty containers should be thoroughly rinsed and offered for recycling.

SECTION 14 - TRANSPORTATION INFORMATION

DOT: Aerosol, Level 1	Proper Shipping Name: Consumer Commodity	Class: ORM-D	UN# None
IMDG: Aerosol	Proper Shipping Name: Aerosols Limited Quantity	Class: 2.2	UN# 1950
Label: Non-Flammable Gas Marine Pollutant: No			
IATA: Forbidden to ship by Air unless packaged by Certified Hazmat Packager			

SECTION 15 - REGULATORY INFORMATION

SARA/CERCLA/313: No reportable ingredients. Not subject to any special reporting.
TSCA: Components are listed on the TSCA Inventory
EINECS: Yes, 270-705-8
CALIFORNIA PROP 65: No reportable ingredients
CPR: Ingredients Listed: "This product MSDS contains all the information required by the CPR."
IDL: None
DSL/NDL: All Ingredients Present
RISK PHRASE: R36, Irritating to Eyes
SAFETY PHRASE: S1/2/25
WHIMIS STATUS: Class A (Compressed Gas)



Symbol:

VOC Content: < 80 grams/liter as hydrocarbon propellant

SECTION 16 - OTHER INFORMATION

NSF Registration Number 120060, Non-Food Compound, Category P1
Product may be use around food and on food equipment as per NSF Category P1.

Manufacturer Disclaimer: This information relates to the specific materials designated herein and may not be valid for such materials used in combination with any other material. The information contained in this document is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information.

Date Prepared: 8-18-08

By: John Pastorello, CEO - Refrigeration Technologies