

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Date Prepared: 04-19-13

Product Identifier: **Defender Coil Coating**

Manufacturers Part #RT640A

General Use: Aerosol Coating

Chemical Family: Solvent Bourne Coating

Manufacturer Refrigeration Technologies (www.refrigtech.com)

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SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components	CAS#	WEIGHT %	TWA	STEL	PEL	EINECS#
A-70 Hydrocarbon Propellant	68476-86-8	10-15	1000ppm	N/A	1000ppm	270-705-8
N-Butyl Acetate	123-86-4	20-25	150ppm	200ppm	200ppm	204-658-1
Acetone	67-64-1	15-20	5ppm	750ppm	750ppm	200-662-2

RISK PHRASE: R11, Highly Flammable; R20 Harmful if Inhaled; R36 Irritating to Eyes

SAFETY PHRASE: 1/2/15/16/23/24/25/43.2

SECTION 3 - HAZARDOUS IDENTIFICATION

HMIS: H=2, F=3, R=0, S=0

Emergency Overview: DANGER: Flammable, Contents Under Pressure. Avoid breathing vapors. Avoid contact with eyes and skin. Container will explode if heated.

Potential Health Effects:

EYES: Irritant, burning sensation.

SKIN: Dryness, Irritation

INGESTION: Nausea, Irritation

INHALATION: Irritation, Headache, Dizziness

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

SECTION 4 - FIRST AID MEASURES:

EYES: Remove contact lens. Flush with warm water for 15 minutes. If irritation persists, call physician

SKIN: Wash with soap and water. If irritation persists, call physician

INGESTION: Do not induce vomiting. Call physician immediately.

INHALATION: Get person to fresh air. If unconscious provide oxygen/artificial respiration. Call physician immediately.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

NFPA Hazard Rating: H=2, F=3, R=0, S=0

Flash Point: 88F/31C Flammable Limits: Not Tested LEL: 1.7 UEL: 7.6

Extinguishing Media: CO2 or Dry Foam Special Fire Fighting Procedures: Self contained breathing apparatus.

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: Evacuate the area and remove materials outdoor. Contain liquid and transfer to a closable. Keep away from heat or open flame. Dispose of in accordance with federal, state and local regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions to be taken in handling and storing: DANGER: Flammable; Contents under pressure. Avoid breathing vapors. 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
N-Butyl Acetate	150ppm/ 200ppm	150ppm/ 200ppm
Acetone	500ppm/750ppm	500ppm/750ppm

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 Hygenic Practices: Use common sense around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business. Follow directions for use on label.

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SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

Boiling Point >212/100C Specific Gravity: 0.90
Vapor Pressure: 60-70 psia pH: NA
Vapor Density: Not Tested Evaporation Rate: Greater than 1
Solubility in Water: Insoluble Appearance and Odor: Clear liquid, sweet odor

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Temperatures above 120F/50C. Open flame
Incompatible Materials to Avoid: Strong alkali or earth metals
Hazardous Decomposition or Byproducts: Hydrogen Fluoride
Hazardous Polymerization: Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS#	EINECS#	LC50 Inhaled	LD50 oral	LD50 dermal
N-Butyl Acetate	123-86-4	204-658-1	390ppm/4H rat	10.8g/kg rat	17g/kg rabbit
Acetone	67-64-1	200-662-2	44000mg/m3 rat	3000mg/kg rat	20g/kg rabbit

All components are harmful if inhaled and toxic in large amounts. Avoid contact with eyes and skin.

SECTION 12 - ECOLOGICAL INFORMATION

Eco-toxicity in water (LC50): 5540 mg/l, 96 hours [Trout]. Biodegradation Information not available. BOD5 and COD: Not available. No other negative environmental impact.

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 3 Proper Shipping Name: Consumer Commodity Class: ORM-D UN# None
IMDG: Aerosol Proper Shipping Name: Aerosols Limited Quantity Class: 2.1 UN# 1950
Label: Flammable Gas Marine Pollutant: No

IATA: Forbidden to ship by Air unless packaged by Certified Hazmat Packager

SECTION 15 - REGULATORY INFORMATION

SARA/CERCLA/311: No reportable ingredients. Not subject to any special reporting.

TSCA: Components are listed on the TSCA Inventory

EINECS: Yes, as listed

ADG: UN1950, Class 2.1, Flammable Gases, Hazchem 2Y, Guide 49, Aerosols

CALIFORNIA PROP 65: No reportable ingredients

CPR: Ingredients Listed: "This product MSDS contains all the information required by the CPR."

IDL: Yes, as listed in Section 2 of this MSDS

DSL/NDSL: All Ingredients Present

RISK PHRASE: R11, Highly Flammable; R20 Harmful if Inhaled; R36 Irritating to Eyes

SAFETY PHRASE: 1/2/15/16/23/24/25/43.2

WHIMIS STATUS: Class B, Flammable; Class D, Div 2, Toxic; Class A, Compressed Gas



Symbol:

VOC Content: <600 grams/liter

SECTION 16 - OTHER INFORMATION

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.

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