

MATERIAL SAFETY DATA SHEET

Duracool® DuraDry™

SECTION 1 – IDENTIFICATION

Company: Duracool Refrigerants, Inc.
10260 - 21 Street NW
Edmonton, Alberta T6P 1W4 Canada
Telephone (780) 449-4777
Fax (780) 449-4766

Product Name: Duracool® Duradry™
Proper Shipping Name: Consumer Commodity, ORM-D
UN NUMBER: None
HAZARDOUS GOODS: None
USES: Refrigeration Systems

CHEMTREC – TOLL FREE 24 HOUR EMERGENCY TELEPHONE NUMBER 1-800-424-9300

SECTION 2 – PHYSICAL DESCRIPTION AND/OR PROPERTIES

Appearance/Odor: Colorless Liquid; Amine Odor
Odor Threshold: N/A
Coeff. Water/Oil Dist.: N/A
Freezing Point: N/A
Vapor Density: (est.)
Vapor Pressure: 116.63 hpa

Physical State: Liquid
Specific Gravity: 9.1
Evaporation Rate: <1
Boiling Point: 143°F
Heavier than air pH: N/A

SECTION 3 – FIRE OR EXPLOSION HAZARD

Extinguish Media: Foam, CO₂, dry chemical

Hazardous Combustion Products: Burning can produce oxides of carbon and silicone

Sensitivity to Static Discharge: n/a

Explosion Data: n/a

Fire and Explosion Hazard: Product is flammable; vapor may form if allowed to mix with air.

SECTION 4 – INGREDIENTS

| Hazardous Ingredients | % | Cas Number | LD50 | P.E.L. | ACGIH TLV UNITS |
|----------------------------|-------|------------|-------|---------|-----------------|
| Ethanol | <1-13 | 64-17-5 | | | 1000 PPM |
| Proprietary (trade secret) | <15 | | | | |
| Alkanes | <0-30 | | n.ap. | 800 PPM | 800 PPM |

SECTION 5 – REACTIVITY DATA

Chemical Stability: This material is chemically stable.

Conditions To Avoid: Product is flammable, avoid ignition source.

Incompatible Materials: Reacts to water or moisture to form ethanol.

Decomposition Products: Burning of this product can produce oxides of carbon.

Hazardous Polymerization: Will not occur.

Polymerization To Avoid: Non known.

SECTION 6 – HEALTH HAZARD

Inhaled/Asphyxiant: This product may cause irritation of the respiratory tract. May also cause headaches or dizziness at moderate exposures. Heavy exposure may cause anemia and irregular heart rhythm, respiratory arrest and death at elevated exposures.

Ingestion: Not likely to occur. May cause vomiting or nausea.

Eye Contact: Irritating if the liquid gets into eyes. Extremely high vapor concentration may also be irritating.

Skin Contact: Prolonged contact may irritate the skin and cause dermatitis.

Chronic: Repeated exposure of the actual product may aggravate existing liver ailments.

SECTION 7 - FIRST AID

Inhaled: In emergency situations, use proper respiratory protection and immediately remove the victim to fresh air. Administer artificial respiration if breathing has stopped. Seek medical attention promptly in serious cases of over exposure.

Eyes: Flush eyes with tepid water for 15 minutes. Seek immediate medical advice immediately.

Skin: Avoid skin contact with the liquid. Remove contaminated clothing and wash the exposed area with soap and water.

Ingestion: In case of accidental ingestion, drink two glasses of water, induce vomiting and seek immediate medical attention.

SECTION 8 - SAFE HANDLING

Spills: Product: Soak up with absorbent, dispose of as per your city regulation.

Waste Disposal Method: Dispose of product in accordance with local, county state, and federal regulations.

Storage, Handling, Shipping: Store in a cool, well-ventilated area. Store away from heat, spark, flame and/or static discharge.

Other Precautions: Keep container closed.

SECTION 9 -PERSONAL PROTECTION

Engineering Controls: Use only in a well ventilated area! Ensure there is good ventilation. If additional ventilation is needed use auxiliary

ventilation equipment ensuring that all systems are well grounded and spark proof.

Eyes: Wear safety chemical safety glasses with side shields and/or goggles.

Gloves: Use chemical resistant, PVC coated gloves when handling this product.

Other protective clothing: Long sleeves, pants and close-toed shoes.

Respiratory Protection: If ventilation of the area is not adequate use a NIOSH approved respirator to prevent overexposure by inhalation.

SECTION 10 -PREPARATION

Duracool Refrigerants, Inc., 10260 - 21 Street NW. Edmonton, Alberta T6P 1W4 Canada

Telephone (780) 449-4777 June 6, 2004

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