

# MATERIAL SAFETY DATA SHEET

## Duracool® A/C Oil Chill™

### IDENTIFICATION

**Company:** Duracool Refrigerants, Inc.  
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**Product Name:** Duracool® A/C Oil Chill™  
**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

TRADE NAME Duracool® A/C Oil Chill™  
ALL ISO GRADES COMPLEX MIXTURE  
HAZARD RATING

CAS Number (finished product):  
CAS Number Not Applicable  
Least - 0 Slight - 1 Moderate - 2 High - 3 Extreme - 4

CHEMICAL NAME CHEMICAL FAMILY Lubricating oil Polyalphaolefin COMPONENTS CAS NUMBER APPROX % (WT OR VOL)

PROPRIETARY FORMULA. This material is essentially a polyalphaolefin-based synthetic lubricating oil with oxidation inhibitors and anti wear additives. It is not believed to be hazardous material by U.S. Dept. of Labor definition, and would not require a warning label as specified in the Hazardous Substance Act. Meets USDA H2 requirements. Mixture 100.0

Exposure Limit for Total Product:

THIS PRODUCT IS NOT CONSIDERED HAZARDOUS BY OSHA IN ACCORDANCE WITH 29 CFR 1910.1200 OSHA COMMUNICATION STANDARD

This product does not contain any chemical listed as a carcinogen or potential carcinogen by OSHA, IARC Monographs or the National Toxicology Program. U.S. TSCA Inventory: All components are included on the U.S. TSCA Inventory.

CERCLA: Under the Comprehensive Response, Compensation and Liability Act, (CERCLA), certain release to air, land, or water may be reportable to the National Response Center at 800-424-8802. Circumstances surrounding the release and cleanup determine reportability. This product is not subject to CERCLA reporting requirements. SARA Sections 301-304: Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 SARA 301-304 not applicable. Toxic Chemical Release reporting, EPA Regulation 40 CFR 372

SARA Sections 311-313 only applicable if noted above.

ARA Sections 311-313: 500°F (260°C) Nil BOILING POINT VAPOR PRESSURE not available Not available

MELTING POINT VAPOR DENSITY SO 68 = 0.8373 Nil  
SPECIFIC GRAVITY EVAPORATION RATE 0.1% Nil SOLUBILITY IN WATER PERCENT VOLATILE  
APPEARANCE/ODOR Water white lube oil with little or no odor  
518°F (270°C) FLAMMABLE LIMITS or EXPLOSIVE LIMITS: (Approximate Percent by Volume in Air) ESTIMATED VALUES

FLASH POINT: Min. ASTM D-92 C.O.C.  
LOWER FLAMMABLE LIMIT - 0.9% UPPER FLAMMABLE LIMIT - 7.0%  
AUTOIGNITION TEMPERATURE: Not determined. NATIONAL FIRE PROTECTION ASSOCIATION

(NFPA) - Hazard Identification

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Health - Flammability - Reactivity - 1 None. 1 0

HAZARD RATING (NFPA)

4-Extreme 3-High 2-Moderate 1-Slight 0-Insignificant

SECTION I - SOURCE AND NOMENCLATURE

SECTION II - COMPONENTS & HAZARD INFORMATION

SECTION III - PHYSICAL DATA

SECTION IV - FIRE PROTECTION INFORMATION 5mg/m3 for oil mist Basis: OSHA Reg 29 CFR 1910.1000

FLAMMABILITY REACTIVITY 11/4/2002

Use water fog, dry chemical, foam or carbon dioxide. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for men attempting to stop a leak. Water spray may be used to flush spills away from explosives. Use supplied air breathing equipment for enclosed or confined spaces or as otherwise needed.

HANDLING PRECAUTIONS: Use product with caution around heat, sparks, pilot lights, static electricity and open flame.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:

Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes, and other decomposition products, in case of incomplete combustion.

EXTINGUISHING MEDIA & FIRE FIGHTING PROCEDURES:

Foam, water fog, dry chemical, carbon dioxide, and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on the size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists. The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's *Fire Protection Guide on Hazardous Materials*.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: Use splash goggles or face shield when eye contact may occur.

**VENTILATION:**

No special requirements under ordinary conditions of use. Ventilation must be adequate to maintain vapors at less than established PEL, particularly at floor level as vapors are heavier than air. Do not use in closed spaces. Avoid mist formation.

**PROTECTIVE GLOVES:**

Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

**WORK PRACTICES / ENGINEERING CONTROLS:**

Keep containers and storage containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.

**PERSONAL HYGIENE:**

Remove contaminated clothing; launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean before reuse; discard if oil soaked. Clean skin thoroughly after contact, before breaks and meals and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

**PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:**

Recover free product. Add sand, earth, or other suitable absorbent material to the spill. Minimize breathing vapors. Minimize skin contact. Open all windows and doors. Keep product out of sewers and watercourses by impounding. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.

ENVIRONMENTAL IMPACT: Report spills as required to the appropriate authorities.

ASSURE CONFORMITY WITH ALL APPLICABLE REGULATIONS.

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS & MATERIALS TO AVOID: Avoid heat, open flames and oxidizing materials.

**EYE CONTACT:**

If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

**INHALATION:**

Vapor pressure is very low. Vapor inhalation under ambient temperature conditions is not normally a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. Administer oxygen, if available. If over-exposed to oil mist, remove from further exposure until excessive oil mist condition subsides.

**SKIN CONTACT:**

In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water.

**INGESTION:**

If ingested, DO NOT induce vomiting; call a physician immediately.

SKIN: Prolonged or repeated skin contact may cause skin irritation.

EYE: Slight irritation.

INGESTION: Relatively non-toxic.

THE PRECISE COMPOSITION OF THIS MIXTURE IS PROPRIETARY INFORMATION. A MORE COMPLETE DISCLOSURE WILL BE PROVIDED TO A PHYSICIAN OR NURSE IN THE EVENT OF A MEDICAL EMERGENCY.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulate and gases will evolve when this material undergoes combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

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