

Material Safety Data Sheet

Date of Preparation: 2/1/04

MSDS No. OC-1

Section 1 – Chemical Product and Company Identification

Product Name: Auto Air Conditioner Oil Charge for R-12 Systems.

Part Number(s): OC-1

CAS Number: NOT APPLICABLE TO MIXTURES

Product Class: Automotive product

Manufacturer: Interdynamics, Inc. 80 39th Street, 8th Floor, Brooklyn, NY 11232

Information Phone No. (Interdynamics): 718-499-0608 **Emergency Phone No.(CHEMTREC):** 800-424-9300

Section 2 – Composition/ Information on Ingredients

Ingredient Name	CAS Number	OSHA TWA	ACGIH TLV
Dichlorodifluoromethane	75-71-8	4945 mg/M3	4945 mg/M3
Petroleum Distillate Made up of one or more of the following:	-	5 mg/M3 (TWA)	5 mg/M3 (TWA)
Solvent refined Heavy Paraffinic Distillate	64741-88-4	-	-
Solvent refined Light Paraffinic Distillate	64741-89-5	-	-
Hydrotreated Heavy Napthenic Distillate	64742-52-5	-	-
Hydrotreated Light Napthenic Distillate	64742-53-6	-	-
Hydrotreated Neutral Oils	72623-87-1	-	-
Ingredients not precisely identified are proprietary or non-hazardous.			

Section 3 – Physical and Chemical Properties

Physical State: Gas and liquid under pressure.
21.6deg.Fat 760 mmHg.

Appearance/Odor: Ethereal and Petroleum Odor.

% Volatile: N/A

Boiling Range: Oil: 560-744deg. F. Gas: -

Vapor Density (Air=1): Oil: >1 Gas <1

Specific Gravity (@C20 °C): 1.1 at STP

Evaporation Rate(Butyl Acetate=1): Oil: <1 Gas: >1

Vapor Pressure: Oil: 1x10⁻⁵ to 6.3x10⁻³

Section 4 – Fire Fighting Measures

Flash Point: 383 deg. F.

Flash Point Method: Cleveland Open Cup.

LEL: N/A

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog.

Unusual Fire or Explosion Hazards: Water may cause frothing. Material may be ignited by sparks and flames. Keep closed containers cool.

Special Fire-Fighting Procedures: Firefighters must wear self-contained breathing apparatus with full face-piece operated in pressure demand or positive pressure mode. Use full turnout gear.

Section 5 – Stability and Reactivity

Stability: Stable

Polymerization: Will not occur.

Incompatibilities & Conditions to Avoid: Avoid contact with reactive metals. Avoid temperatures over 250deg. C. May react with strong oxidants, acids or caustics.

Hazardous Decomposition Products: At high temperature CO and CO₂; HCL and Carbonyl Halides such as Phosgene.

Section 6 – Health Hazard Information

Primary Entry Routes: Eyes, dermal, inhalation and ingestion

Target Organs: Eyes, skin, respiratory system

Signs & Symptoms of Exposure: Irritation to skin and eyes. Dizziness, loss of coordination or lung irritation. Ingestion may cause gastrointestinal discomfort and diarrhea.

Acute Effects: Skin and eye irritation. May cause dizziness and loss of concentration. At high levels, Cardiac Arrhythmia may occur. Possible frostbite.

Chronic Effects: No data available.

Carcinogenicity: This product does not contain components at concentrations greater than 0.1% that are listed as a carcinogen.

Medical Conditions Generally Aggravated by Exposure: May adversely affect use of Catecholamine drugs such as Epinephrine.

Emergency and First Aid Procedures

Inhalation: Exposure to very high concentration can induce anesthetic effect. Excessive inhalation exposure may cause irritation of respiratory passages. Can act as an asphyxiant by limiting oxygen. Cardiac sensitization to circulating epinephrine-like compounds can result in fatal cardiac arrhythmias. Remove to fresh air. Give artificial respiration if not breathing. Give oxygen if breathing labored. If cardiac arrest, apply external cardiac massage. Do not administer adrenaline or similar drugs as cardiac arrhythmias may result. Call physician immediately.

Eye Contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for 15 minutes. Have eyes examined and treated by medical personnel.

Skin Contact: Immediately wash affected areas of skin thoroughly with plenty of warm water. If evidence of frostbite, bathe in lukewarm water. Obtain medical attention. Launder clothing before reuse.

Ingestion: Do not induce vomiting without a Physician's advice.

Section 7 – Spill, Leak, and Disposal Procedures

Keep at temperature not exceeding 113 DEG F. Keep containers dry. Keep away from direct sunlight, or any heat source.

See SEC 09 Special Precautions for industrial hygiene control measures. Clean up any oil spill. Prevent entry into sewers and water ways. Absorb with inert absorbent. Place used rags and absorbent in closed metal containers. It is illegal to purposely vent into the atmosphere.

Steps To Be Taken In Case Material Is Released or Spilled: Remove ignition sources. Evacuate unprotected personnel. Wear protective equipment. Ventilate area. Contain and absorb with non-combustible absorbent. Transfer into suitable containers.

Waste Disposal Method: In accordance with applicable Federal, State and local regulations.

Precautions To Be Taken In Handling and Storage: Wear protective gloves and clothing with an outer layer of Mylar coated Durafab. Wear safety goggles. Use in well ventilated areas.

Other Precautions: Do not puncture container except with an Interdynamics' approved device intended to be used with the particular container. Store in a shaded, cool, dry place. Do not expose to temperatures above 113 deg. F. Connect can to low pressure side of automobile A/C port only. Do not expose to high altitudes or low pressure ambient environment.

Section 8 – Exposure Controls / Personal Protection

Ventilation general mechanical ventilation. Oil mist inhalation should be avoided.

Protective Clothing/Equipment: NIOSH or MSHA respiratory protection must be worn if exposure to high concentrations is possible. Chemical tight goggles, full face-shield in addition if splashing is possible. Oil impervious Protective Gloves with outer layer of Mylar coated Durafab or PVA or Neoprene. Apron, arm covers or full body suit, depending on conditions. Impervious boots in case of prolonged liquid contact.

Safety Stations: Ventilate low-lying areas such as sumps or pits where dense vapors may collect. Use local exhaust to control exposures.

Work/Hygienic Practices: Use in well ventilated areas. Avoid inhaling vapors. Avoid contact with eyes, skin or clothing.

DOT Transportation Data

<u>PART NUMBER(S)</u>	<u>SHIPPING NAME</u>	<u>HAZARD CLASS IDNO.</u>	<u>PACKING GROUP</u>	
OC-1	Consumer Commodity	ORM-D	UN 1029	N/A

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