

Air Duster
NIGP: 207-25-29200-5
Commodity: 481-70-15100-4

MATERIAL SAFETY DATA SHEET

Quick Identifier (In Plant Common Name): DUSTER 134a

MANUFACTURER IDENTIFICATION

MANUFACTURED BY: ORB INDUSTRIES, INC
ADDRESS: P.O. BOX 1067, BROOKHAVEN, PA 19015
EMERGENCY TELEPHONE NUMBER: 610-874-2537
OTHER INFORMATION CALLS: 610-874-2537
DATE PREPARED: November, 2003

SECTION 1 - IDENTITY

COMMON NAME (used on label)(Trade Name & Synonyms): 134a Duster
CAS. NUMBER: See Section 2
CHEMICAL NAME: 1,1,1,2-Tetrafluoroethane
CHEMICAL FAMILY: Hydrofluorocarbon
FORMULA: N/A

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL AND COMMON NAME(S)		CAS. #		Principal Hazardous Component(s)		LEL UEL		FLASH POINT DEG. F	
				OSHA	AGCH				
				VAPOR PRESSURE @ 25 DEG. C.					
		PEL	TLV						
1,1,1,2-Tetrafluoro- ethane		811-97-2	N/A*	N/A*	96 psia		Nonflammable		None

*Limit established by The E.I. DuPont Company is 1000ppm

NOTE: This product does not contain any ingredients subject to Section 313 of SARA Title III

N/A is not available or not applicable

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

BOILING POINT (Deg. F): -15
SPECIFIC GRAVITY (Water = 1): 1.21
VAPOR PRESSURE (mmHg): See Section 2
PERCENT VOLATILE BY WEIGHT (%): 100%

VAPOR DENSITY (Air = 1): >1

EVAPORATION RATE (BA = 1): >1

SOLUBILITY IN WATER: Substantial

REACTIVITY IN WATER: None

APPEARANCE AND ODOR: Clear gas at standard temperature and pressure with a slight ethereal odor;

FINISHED PACKAGE: Aerosol container filled with liquefied gas.

FLASH POINT: See Section 2

FLAMMABLE LIMITS IN AIR - % BY VOLUME: See Section 2

EXTINGUISHER MEDIA: Use media appropriate for surrounding material

AUTO-IGNITION TEMPERATURE: >1369 Deg. F

SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure build-up and possible bursting when exposed to high temperatures. Firemen should wear self-contained, positive pressure, respiratory equipment. Hazardous decomposition products.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Keep temperature of containers below 120 Deg. F to prevent bursting. Exposure to temperature above 120 Deg. F may cause can to burst with violence and cause injury.

SECTION 4 - PHYSICAL HAZARDS

STABILITY: Stable

CONDITIONS TO AVOID: Avoid any excessive heat, ignition sources, open flames, or other high temperatures which induce thermal decomposition.

INCOMPATIBILITY (Materials to Avoid): Alkali or alkaline earth metals - powdered Aluminum, Zinc, Be, etc.

HAZARDOUS DECOMPOSITION PRODUCTS: This material can be decomposed by high temperature (open flames, flowing metal surfaces, etc.) forming hydrofluoric acids and possibly carbonyl halides.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not Applicable

SECTION 5 - HEALTH HAZARDS

THRESHOLD LIMIT VALUE: See Section 2

SIGNS AND SYMPTOMS OF EXPOSURE: EYE CONTACT: Liquid contact can cause frostbite; SKIN CONTACT: Liquid contact can cause frostbite; INHALATION: Vapor is heavier than air and can cause suffocation by reducing oxygen available for breathing. Breathing high concentrations of vapor may cause lightheadedness, giddiness, shortness of breath, and may lead to narcosis, cardiac irregularities, unconsciousness or death. *INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THE CAN MAY BE HARMFUL OR FATAL.*

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: NATIONAL TOXICOLOGY PROGRAM: No

I.A.R.C. MONOGRAPHS: No

OSHA: No

OSHA PERMISSIBLE EXPOSURE LIMIT: See Section 2

ACGIH THRESHOLD LIMIT VALUE: See Section 2

OTHER EXPOSURE LIMITED USED: None

EMERGENCY AND FIRST AID PROCEDURE

INHALATION: If high concentrations are inhaled: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Do not give epinephrine or similar drugs. Call a physician. EYES: In case of eye contact, immediately flush eyes with plenty of cold water. Call a physician. SKIN: In case of skin contact, flush with water. Treat for frostbite if necessary. INGESTION: Ingestion is not considered a potential route of exposure.

NOTE TO PHYSICIANS: BECAUSE OF POSSIBLE DISTURBANCES OF CARDIAC RHYTHM, CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE, SHOULD ONLY BE USED WITH SPECIAL CAUTION IN SITUATIONS OF EMERGENCY LIFE SUPPORT.

SECTION 6 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Under normal use conditions, no respiratory protection is required. Self-contained breathing apparatus (SCBA) is required if a large spill or release occurs.

VENTILATION:

LOCAL EXHAUST: To keep below TLV

MECHANICAL (General): To keep below TLV

SPECIAL: None

OTHER: None

PROTECTIVE GLOVES: Lined butyl gloves should be worn when handling liquid.
EYE PROTECTION: Safety glasses or goggles should be worn when handling liquid.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None reasonably foreseeable.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid skin and eye contact with spray and liquid due to frostbite hazard. Do not store above 110 deg. F. Do not use or store near any open flames or ignition sources.

OTHER PRECAUTIONS: Contents under pressure. Do not puncture or incinerate. Exposure to temperatures above 120 Deg. F may cause can to burst with violence and cause injury. Vapors are heavier than air and will collect in low areas.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area - especially low places where heavy vapors might collect. Remove open flames. Use self-contained breathing apparatus for large spills.

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State, and Local regulations. Do not incinerate closed or empty containers.

SECTION 8 - NFPA HAZARD RATINGS

Health = 1 Flammability = 0 Reactivity = 0

Section 10 - Other Information

TRANSPORTATION INFORMATION - DOMESTIC GROUND

Shipping Name:	Consumer Commodity
Hazard Class:	ORM-D
UN Number:	N/A
Packing Group:	N/A
Hazard Label:	None
Carton Marking:	Consumer Commodity, ORM-D

A current copy of DOT-E 10232 (Sexton Can) or DOT-E 11644 (US Can) must be maintained at each facility where the package is offered or reoffered for transportation.