

Material Safety Data Sheet

Duo Air Care System
(All fragrances)

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name (s): Duo Air Care System - All Fragrances

Marketed By: Pro-Link
500 Chapman Street
Canton, MA 02021

24 – Hour Emergency Contact

1-800-535-5053 (Infotrac)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight Percent
Ethane, 1,1-difluoro- (HFC 152a)	75-37-6	50 to 70
Alcohol Denat.	64-17-5	10 to 20
Hexylene Glycol	107-41-5	5 to 15

3. HAZARDS IDENTIFICATION

FLAMMABLE LIQUID!

Contents under pressure: do not expose to fire or extreme heat

Potential Health Effects:

Route of Entry: Eye: Y Skin: Y Inhalation: Y Ingestion: Y

Health Hazards: May cause eye and skin irritation, as well as respiratory irritation, may cause stomach distress

Signs/systems of

Over exposure: High vapor concentrations or excessive intentional inhalation may cause upper respiratory tract irritation, sleepiness and/or dizziness, and eye irritation.
Prolonged skin contact may cause mild redness and swelling. Contact with eyes may cause irritation, experienced as discomfort or pain, excessive blinking and tear production with marked excess redness and swelling. Corneal injury may occur. This product can be absorbed through the skin.

Medical Conditions

aggravated by exposure: Skin contact may aggravate an existing skin condition.

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4. FIRST AID MEASURES

EYE CONTACT: Immediately rinse eyes with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Obtain medical attention if irritation persists.

SKIN CONTACT: Rinse affected area with plenty of water until no evidence of product remains. Obtain medical attention if irritation persists.

INGESTION: Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilute by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

INHALATION: Not a normal route of harmful exposure. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Alcohol type or all-purpose foam for large fires, CO2 or dry chemicals

Fire Fighting Procedures: Self-contained air supply suggested

Unusual Fire and Explosion Hazards: Contents under pressure. Container may explode with heat. Cool containers with spray and remove source of ignition if safe.

6. ACCIDENTAL RELEASE MEASURES

Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with non-flammable absorbent such as sand or vermiculite.

7. HANDLING AND STORAGE

Keep out of reach of children. Store in a cool dry place, away from heat or open flames. Exposure to temperatures above 120°F may cause container to burst.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Gloves: Not normally required

Eye Protection- Not normally required

Respiratory Tract: Not normally required

Ventilation: Local: Not required

Carcinogenic: Non – hazardous by WHIMS/ OSHA criteria

Teratogenicity, Mutagenicity, Reproductive Effects: No data available

Other protective equipment: None required

Protective Work/Hygiene Practices: Follow label instructions

Exposure guidelines:

Ethane, 1,1-difluoro- (HFC 152a):

PEL (OSHA): None established

TLV (ACGIH) None established

AEL* (DuPont) : 1000 ppm, 8 & 12 hour TWA

WEEL (AIHA): 1000 ppm, 8 hour TWA

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the aEL are in effect, such limits shall take precedence.

Alcohol Denat.:

PEL (OSHA): 1000 ppm

TLV (ACGIH) 1000 ppm

Hexylene glycol:

PEL (OSHA): 25 ppm

TLV (ACGIH): 25 ppm, ceiling

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity @20°C: 0.80

Pressure: @ 20°C: 65-75 psig

Appearance/Odor: Clear colorless liquid, fragrant.

Flash Point: <-50C (<-58F)

10. STABILITY AND REACTIVITY

Conditions to Avoid: Aerosol containers are unstable at temperatures above 120°F /49°C. Avoid open flames and very hot surfaces.

Incompatible Materials: Oxidizing agents, caustics, and acids

Hazardous Decomposition By-Products: May include but are not limited to oxides of carbon when heated to decomposition.

Hazardous Polymerization Conditions: None Known

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11. TOXICOLOGY INFORMATION

Data available only on components.

Ethane, 1,1-difluoro- (HFC 152a):

Oral ALD: >1500 mg/kg in rats

Inhalation ALC, 4 hour: 383,000 ppm in rats

Alcohol Denat.:

LC₅₀: 100 mg/L

LD₅₀: 7060 mg/kg, oral rat

Hexylene Glycol:

LC₅₀: Not established

LD₅₀: 3700 mg/kg, oral rat

12. ECOLOGICAL INFORMATION

Discharge, treatment, or disposal may be subject to federal, state or local laws.

13. DISPOSAL CONSIDERATION

Do not reuse empty containers. Before offering for recycling, empty the can by using the product according to label. DO NOT PUNCTURE CAN! If recycling is not available, discard the containers in the trash.

14. TRANSPORTATION INFORMATION

	STATUS	Shipping Name	CLASS	ID#	Packing Group	
DOT	Regulated	Consumer Commodity	ORM-D		N/A	
IATA	Regulated	Aerosols, flammable	2.1	UN1950	N/A	LTD QTY
IMDG	Regulated	Aerosol	2.1	UN1950	N/A	LTD QTY

15. REGULATORY INFORMATION

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=2 FLAMMABILITY=4 REACTIVITY=1

HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=2 FLAMMABILITY=4 REACTIVITY=1

SARA Chemicals: This product contains the following SARA 313/312/304/311/312 chemicals: NONE

TSCA Inventory Listing: (Toxic Substances Control Act) – All ingredients are listed on the chemical substance inventory exempt

California Proposition 65- NONE

FEDERAL AND STATE REGULATIONS: Hexylene Glycol

Pennsylvania

New Jersey

Illinois

Massachusetts

Rhode Island

Minnesota

Workplace Hazardous Materials Information System: WHMIS Classification: Class D-Division 2B, Class B- Division 5
Flammable liquid, Class A: Compressed Gas

Revision date: January 26, 2010

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16. OTHER INFORMATION

Product Sales Information: 1 (540) 667-8700

Revision Notes: MSDS updated to reflect HFC 152a propellant.

N/A = Not Applicable

N/E. = not established

MSDS Prepared by: Regulatory Compliance

Disclaimer:

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