

SDS

4/23/2-24: File reviewed, more current MSDS/SDS not available. CAS

SAFETY DATA SHEET

Ultra Duster

5/29/2015

SECTION 1 - IDENTIFICATION

Product Name: Ultra Duster

Trade Name/Chemical Name: HFC-152a / Difluoroethane, R152a

Mfg. Model No.: AE420BWON

Manufacturer: SHANGHAI AW CUSTOM MANUFACTURING & AEROSOL PROPELLANT CO., LTD.

Product Supplied By: AW Distributing, Inc.

Address & Phone #: 2024 Middlefield Rd., Redwood City, CA 94063

Emergency Phone #: Chemtrec 1-800-424-9300

SECTION 2 – HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW

WARNING



Flammable Gas. Contents under pressure, misuse by deliberately concentrating and inhaling contents may be harmful or fatal. This product can be ignited under certain circumstances.

Avoid breathing vapor and mist. Vapor, mist and gas are heavier than air.

Do not spray directly on human avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Keep away from heat and flame, and do not expose to above 49°C.

Potential Health Effects:

Inhalation of high concentrations of vapor is harmful and may cause heart irregularities, unconsciousness, or death. Intentional misuse or deliberate inhalation may cause death without warning. Vapor reduces oxygen available for breathing and is heavier than air. Liquid contact can cause frostbite.

Human Health Effects:

Contact with the liquid may cause frostbite. Overexposure by inhalation may include nonspecific discomfort, such as nausea, headache, or weakness; or temporary nervous system depression with anesthetic effects such as dizziness, headache, confusion, incoordination and loss of consciousness. Higher exposures (>20%) may cause temporary lung irritation effects with cough, discomfort, difficulty breathing, or shortness of breath; or temporary alteration of the heart's electrical activity with irregular pulse, palpitations, or inadequate circulation, abnormal kidney function as detected by laboratory tests. Gross overexposure may be fatal. Individual with preexisting diseases of the central nervous or cardiovascular system may have increased susceptibility to the toxicity of excessive exposures.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients CAS # % TLV PEL UNITS

1,1-Difluoroethane 75-37-6 100

SECTION 4 – FIRST-AID MEASURES

Eyes: Flush immediately with water for at least 15 minutes .

Skin: Get medical attention if irritation develops.

Inhalation: Remove exposed person to fresh air if adverse effects are observed.

Get immediate medical attention if respiratory, or unconsciousness occurs.

Ingestion: Do not make person vomit unless directed to do so by medical personnel

Note to physician: Treat symptomatically.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing media: Water spray, Water fog, Dry chemical.

Flash Point <-50 C (<-58 F) **Flammable Limits LEL** - 3.9 Auto Ig. 454C **UEL** - 16.9

Fire and Explosion Hazards - Flammable. Cylinders are equipped with temperature and pressure relief devices but still may rupture under fire conditions. Use water spray to cool cylinders and tanks.

Special Fire Fighting Procedures - Keep container cool with water spray. If gas exiting container ignites, stop flow of gas. Do not put out the fire unless leak can be stopped immediately. Self-contained breathing apparatus (SCBA) is required if containers rupture and contents are released under fire conditions.

National Fire Protection Association (NFPA 30B) - Level 1 Aerosols (lowest flammability rating)

Consumer Products Safety Commission (CPSC 1500.3 (c)(6).16CFR - Not flammable

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Procedures in case of accidental release, breakage or leakage.

Stop the source of the leak or release. Eliminate source of ignition.

SECTION 7 – HANDLING AND STORAGE

Handling:

Keep out of reach of children. Misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Use in well ventilated area. This product can be ignited under certain circumstances. Therefore, do not use near potential ignition sources, hot surfaces, or spark-producing equipment. Do not tilt, shake, or turn can upside down before or during use as liquid contents may be dispensed. Liquid contents may cause frostbite on contact with skin. Contact physician if such contact occurs.

Storage:

Store in cool place. Do not leave in direct sunlight, enclosed vehicles, or expose to temperature above 120°F(49°C), as overheating could cause can to burst.

Note: Observe all federal, state and local regulations when storing this substance.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection: Chemical type goggles or face shield optional.

Skin protection: Impervious gloves should be worn.

Respiratory protection: Wear breathing mask.

Ventilation: No special ventilation is usually necessary. However, if operating conditions create high air borne concentrations of this material, special ventilation may be needed.

Other clothing and equipment: No special clothing or equipment is usually necessary. Work practices, hygienic practices: No information is available.

Protective measures during maintenance of contaminated equipment: N/A

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F) -25 C (-13F) **Specific Gravity (H₂O=1)**

Vapor Pressure (MM Hg) 87 psia at 25 deg C (77deg F)

Percent Volatile by Vol. 100 WT %

Vapor Density (Air=1) 2.4 at 25 deg C (77 deg F) **Density** 0.90 g/cc at 25 deg C (77deg F) - Liquid

Solubility in Water 0.28 WT% at 25 deg C (77deg F)

Evap Rate (Ether = 1)

Appearance and Odor Slight ethereal, Clear, colorless

Form Gas

SECTION 10 – STABILITY AND REACTIVITY

Instability - Stable, however, avoid open flames and high temperatures.

Incompatibility - Incompatible with alkaline or alkaline earth metals.

Decomposition - Decomposition products are hazardous. This material can be decomposed by high temperatures (open flames, glowing metal surfaces, etc.) forming hydrofluoric acid and possible carbonyl fluoride.

Polymerization - Polymerization will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

The compound is untested for skin or eye irritation, and for animal sensitization. Effects in animals from single, high exposure by inhalation include labored breathing, lung irritation, lethargy, incoordination, and loss of consciousness. Cardiac sensitization occurred in dogs exposed to a concentration of 150,000 ppm in air and given an intravenous epinephrine challenge. Effects of repeated exposure include increased urinary fluorides, reduced kidney weight, and reversible kidney changes. The effects of a single, high oral dose include weight loss and lethargy. Tests in animals demonstrate no carcinogenic activity or developmental effects. Tests in animals for reproductive effects have not been performed. This compound does not produce genetic damage in bacterial cell cultures but has not been tested in animals.

SECTION 12 – ECOLOGICAL INFORMATION

Biodegradation: N/A
Environmental fate: N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method - Reclaim by distillation, incinerate, or remove to a permitted waste facility. Comply with Federal, State and Local regulations.

This material may be a RCRA Hazardous waste upon disposal due to the ignitability characteristic.

PPE-PERSONAL PROTECTIVE EQUIPMENT REQUIRED: NONE

SECTION 14 – TRANSPORT INFORMATION

Shipping Information

DOT - Domestic Ground Transportation

Proper Shipping Name DIFLUOROETHANE, R152a

Hazard Class 2.1

I.D. No. (UN/NA) UN 1030

Shipping Paper Information: None required

Mark Packages with: DIFLUOROETHANE, R152a, UN 1030, LTD QTY (ORM-D)

Placarding: None required

SECTION 15 – REGULATORY INFORMATION

Comply with Federal, State and Local regulations.

SECTION 16 – OTHER INFORMATION

Revised: 5/29/2015

N/A.: Not Applicable <: Less Than >: Greater Than

DISCLAIMER

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