

SDS

SAFETY DATA SHEET

Ultra Duster

6/16/2018

SECTION 1. IDENTIFICATION

Product Name: Ultra Duster

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

Mfg. Model No.: UDS

Recommended Use: Remove dust and small particle

Restrictions On Use: Read back panel on can carefully before use.

Keep out of reach of children. Misuse by deliberately concentrating and inhaling contents may be harmful or fatal

Manufacturer: ZHEJIANG LUDAO TECHNOLOGY CO., LTD.

Product Supplied By: AW Distributing, Inc.

Address: 2024 Middlefield Rd., Redwood City, CA 94063

Phone #: 1-415-867-7734

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

SECTION 2. HAZARD(S) IDENTIFICATION

Classification Flammable Gases – Category 2
Gases under pressure, Compressed gas

Signal Word Warning

Pictogram



Hazard Statements Contains gas under pressure; may explode if heated.
Flammable gas

Precautionary Statements: Eliminate all ignition sources if safe to do so.

Prevention Do not spray on an open flame or other ignition source. Keep away from heat

Storage Store in a well-ventilated place. Do not expose to temperatures exceeding 49°C.

General Keep out of reach of children

Ingredients of

Unknown toxicity 0%

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% TLV PEL UNITS
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1,1-Difluoroethane	75-37-6	100
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Contains: Bitterant

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

UN Number 1030

UN Proper Shipping Name 1,1-Difluoroethane

DOT Classification 2.1

US DOT (ground) Proper Shipping name: 1,1-Difluoroethane. Hazard Class: 2.1 UN number: 1030

ICAO/IATA (air) Proper Shipping name: 1,1-Difluoroethane. Hazard Class: 2.1. UN number: 1030
Maximum Net Quantity Packaging: Cargo Aircraft only – 150 kg maximum
(forbidden on passenger aircraft).

IMO/IMDG (Marine) Proper Shipping Name: 1,1-Difluoroethane. Hazard Class: 2.1. UN number 1030

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

Placarding: None required

SECTION 15. REGULATORY INFORMATION

Comply with Federal, State and Local regulations.

SECTION 16. OTHER INFORMATION

Disclaimer The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Revised: 6/16/2018

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