

Material Safety Data Sheet

ULTRAJET Duster

ES1520 1.00 US EA 29.03.2000 MSDS_Europe

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code

ES1520

Product Type

Preparation

Trade Name

ULTRAJET Duster

Product Numbers

ES1520E, ES1620E

Manufacturer/Supplier

ITW-Chemtronics Rocol

Address

Rocol House
Swillington Leeds
LS26 8BS
United Kingdom

Phone Number

+44 (0) 1132322625

Chemtrec Number

International Call collect 703-527-3887

MSDS data revised

28 February 2001

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Hazardous Components in Product for EC

Component Name	Codes	Concentration	R Phrases	Classification
DIMETHYL ETHER	000115-10-6 204-065-8	1.00 -4.00%	R12	F+
1,1,1,2-tetrafluoroethane	811-97-2	95.00 -99.00%	R12 Extremely flammable. F+ - Extremely flammable	

3. HAZARD IDENTIFICATION

Main Hazards

Not classified as hazardous.

Health Effects - Eyes

Liquid may cause slight transient irritation.

Health Effects - Skin

Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.

Health Effects - Ingestion

Swallowing may have the following effects:

- dizziness - light headedness - drowsiness - nausea

Health Effects - Inhalation

Exposure to vapor at high concentrations may have the following effects:

- dizziness - light headedness - drowsiness - headache

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4. FIRST AID MEASURES

First Aid - Eyes

Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.

First Aid - Skin

Wash skin with soap and water. Obtain medical attention if blistering occurs or redness persists.

First Aid - Ingestion

Do not induce vomiting. Obtain medical attention.

First Aid - Inhalation

Remove from exposure. Keep warm and at rest. Seek medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Use foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.

Unusual Fire and Explosion Hazards

Decomposition products include hydrogen fluoride.

Protective Equipment for Fire-Fighting

Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures

Allow to evaporate if it is safe to do so or contain and absorb using earth, sand or other inert material.

Personal Precautions

Wear appropriate protective clothing.

Environmental Precautions

Prevent the material from entering drains or water courses.

7. HANDLING AND STORAGE

Handling

Use in well ventilated area.

Storage

Storage area should be: - out of direct sunlight Storage temperature should be kept below 50 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

DIMETHYL ETHER

UK EH40: OES 400ppm (766mg/m³) 8h TWA.

UK EH40: OES 500ppm (958mg/m³) 10min TWA.

1,1,1,2-tetrafluoroethane

An exposure limit of 1000ppm is recommended.

Engineering Control Measures

Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

Respiratory Protection

Respiratory protection if there is a risk of exposure to high vapor concentrations.

Hand Protection

Skin protection not normally required.

Eye Protection

Eye protection not normally required. However, care should be taken to avoid accidental

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

exposure.

Body Protection

Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Liquefied gas

Colour

Colorless

Odour

Characteristic

Boiling Range/Point (°C/F)

-26 C

Explosion Limits (%)

Not determined.

Density

1.23.

Solubility in Water

Insoluble

Vapour Density (Air=1)

Heavier than air.

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

- Exposure to direct sunlight - Temperatures in excess of 50 °C

Materials to Avoid

- Strong oxidizing agents - Metals such as sodium, potassium and barium

Hazardous Decomposition Products

Combustion will generate: - toxic fluorine compounds

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Low order of acute toxicity.

12. ECOLOGICAL INFORMATION

Mobility

The product is volatile/gaseous and will partition to the air phase.

Persistence/Degradability

Not applicable.

Bio-accumulation

Not applicable.

13. DISPOSAL

Product Disposal

Dispose of in accordance with all applicable local and national regulations.

Container Disposal

Do not incinerate closed containers.

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14. TRANSPORT INFORMATION

UN Proper Shipping Name

Aerosols, non-flammable

UN Class

2.2

UN Number

1950

IATA - Proper Shipping Name

1,1,1,2-Tetrafluoroethane

IATA - Class

2.2

UN Number

3159

15. REGULATORY INFORMATION

**Labelling
Information**

None

S phrases

S2 Keep out of reach of children.

16. OTHER INFORMATION

None
