

Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

SAFETY DATA SHEET

Chemtronics

Ultrajet® Duster System

Section 1. Identification

GHS product identifier

: Ultrajet® Duster System

Product code

: ES1020R, ES1020K

Other means of identification

: Processing aid Dusting agent, ES1020R (22346), ES1020K (22346) Industrial/Professional use

Date of commencement of manufacture or import December 12, 2022

Product type : Aerosol.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Dusting agent

Uses advised against

Not applicable.

Supplier's details

Manufacturer

Chemtronics 8125 Cobb Center Drive

Kennesaw, GA 30152 Tel. 770-424-4888 or toll free 800-645-5244

Emergency telephone number (with hours of operation)

: Chemtrec - 1-800-424-9300 or collect 703-527-3887

Section 2. Hazards identification

OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Classification of the

substance or mixture

: GASES UNDER PRESSURE - Compressed gas

GHS label elements

Hazard pictograms

Signal word

: Warning

Hazard statements

: Contains gas under pressure; may explode if heated.

Precautionary statements

Prevention

: Not applicable

Response

: Not applicable.

Storage

: Protect from sunlight. Store in a well-ventilated place.

Disposal

: Dispose of contents and container in accordance with all local, regional, national and

international regulations.

Hazards not otherwise

classified

: None known.

Date of issue/Date of revision

12/7/2022

Date of previous issue

: 12/7/2022

Version : 2

1/11

Data is subject to change without notice.





Learn More



Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Ultrajet® Duster System 22346

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Other means of identification

: Processing aid Dusting agent Industrial/Professional use

Date of commencement of manufacture or import December 12, 2022

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation

occurs.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact

: Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur.

Ingestion

Inhalation

: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

ŕ

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: Contact with rapidly expanding gas may cause burns or frostbite.

: At very high concentrations, can displace the normal air and cause suffocation from lack

of oxygen.

 Skin contact
 : Contact with rapidly expanding gas may cause burns or frostbite.

 Ingestion
 : Do not ingest. If swallowed then seek immediate medical assistance.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following: irritation

redness

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

Skin contact: Adverse symptoms may include the following:

frostbite pain or irritation redness dryness

Ingestion : Adverse symptoms may include the following: Ingestion Seek medical attention.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Date of issue/Date of revision : 1277/2022 Date of previous issue : 1277/2022 Version : 2 2/11







Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Ultrajet® Duster System 22346

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

: None known.

Specific hazards arising from the chemical

Hazardous thermal decomposition products

: In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed.

 Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds carbonyl halides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders :

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

 Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Date of issue/Date of revision

: 12/7/2022

Date of previous issue

:12/7/2022

Version : 2

3/11





Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Ultrajet® Duster System 22346

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Empty containers retain product residue and can be hazardous.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene

including any incompatibilities

Conditions for safe storage, : Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Date of issue/Date of revision

: 12/7/2022

Date of previous issue

: 12/7/2022

Version : 2

4/11







Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Ultrajet® Duster System 22346

Section 8. Exposure controls/personal protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a

specialist before handling this product. Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Gas. [Aerosol.] Color : Colorless. Odor : Faint odor. Ethereal. Odor threshold : Not available. : Not applicable.

Melting point/freezing point : -101°C (-149.8°F) **Boiling point, initial boiling** : -26.2°C (-15.2°F) point, and boiling range

Flash point : [Product does not sustain combustion.]

Flammability : Not available. Lower and upper explosion : Not available. limit/flammability limit

Vapor pressure : Not available. Relative vapor density : 3.5 [Air = 1] **Relative density** : Not applicable.

Density : 1.222 g/cm3 [20°C (68°F)]

Solubility(ies)

Media Result Very slightly soluble Very slightly soluble cold water hot water

Solubility in water : Not available. Partition coefficient: n-: Not applicable. octanol/water Auto-ignition temperature : >750°C (>1382°F)

Decomposition temperature : Not available. Heat of combustion : 0 kJ/g Viscosity : Not applicable. Particle characteristics

Median particle size

: Not applicable.

Aerosol product

Type of aerosol : Spray **lanition distance** : 0 cm Enclosed space ignition -: 323 s/m³ Time equivalent

Enclosed space ignition -: 1971 g/m³

Deflagration density

Date of issue/Date of revision 12/7/2022 Date of previous issue :12/7/2022 Version :2

Data is subject to change without notice.



5/11



Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Ultrajet® Duster System 22346

Section 10. Stability and reactivity

Reactivity

: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability

: The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

: No specific data.

Incompatible materials

: No specific data.

Hazardous decomposition

: Under normal conditions of storage and use, hazardous decomposition products should

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely

: Not available

routes of exposure Potential acute health effects

Eye contact

: Contact with rapidly expanding gas may cause burns or frostbite.

Inhalation

: At very high concentrations, can displace the normal air and cause suffocation from lack of oxygen.

: 12/7/2022

Version : 2

6/11

Skin contact

: Contact with rapidly expanding gas may cause burns or frostbite

Ingestion

: Do not ingest. If swallowed then seek immediate medical assistance.

Date of issue/Date of revision

Date of previous issue

Data is subject to change without notice.



: 12/7/2022





Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Ultrajet® Duster System 22346

Section 11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

: Adverse symptoms may include the following: irritation

redness

Inhalation

: Adverse symptoms may include the following:

respiratory tract irritation

coughing

Skin contact

: Adverse symptoms may include the following:

frostbite pain or irritation dryness

Ingestion

: Adverse symptoms may include the following:

Ingestion Seek medical attention.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards. Carcinogenicity : No known significant effects or critical hazards. : No known significant effects or critical hazards. Mutagenicity Reproductive toxicity : No known significant effects or critical hazards

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition : Not available.

coefficient (Koc)

Date of issue/Date of revision : 12/7/2022 Date of previous issue : 12/7/2022 Version : 2 7/11







Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Ultrajet® Duster System 22346

Section 12. Ecological information

: No known significant effects or critical hazards

Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

·						
	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA	
UN number	UN1078	UN1950	UN1950	UN1950	UN1078	
UN proper shipping name	Rgefrigerant gas, n.o.s.	Aerosols, non- flammable	Aerosols, non- flammable	Aerosols, non- flammable	Refrigerant gas, n. o.s.	
Transport hazard class(es)	2.2	2.2	2.2	2.2	2.2	
Packing group	-	-	-	-	-	
Environmental hazards	No.	-	No.	No.	No.	

Additional information

DOT Classification

Packaging instruction Non-bulk: 200. Bulk: 200.

Date of previous issue

Special provisions Must have a copy of DOT-SP 10232 with each shipment.

TDG Classification : DOT SP 10232

Mexico Classification : Special provisions DOT SP10232

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage

Transport in bulk according : Not available.

to IMO instruments

Section 15. Regulatory information

U.S. Federal regulations TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Air Act (CAA) 112 regulated flammable substances: 1,1-difluoroethane

: 12/7/2022

Version : 2

8/11

Clean Air Act Section 112 : Not listed (b) Hazardous Air

Pollutants (HAPs)

Clean Air Act Section 602 Class I Substances Clean Air Act Section 602

: Not listed

Class II Substances

12/7/2022

Date of issue/Date of revision

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.





Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Ultrajet® Duster System 22346

Section 15. Regulatory information

DEA List I Chemicals (Precursor Chemicals)

DEA List II Chemicals : Not listed

(Essential Chemicals)

. Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : GASES UNDER PRESSURE - Compressed gas

Composition/information on ingredients

Name	%	Classification
norflurane 1,1-difluoroethane		GASES UNDER PRESSURE - Compressed gas GASES UNDER PRESSURE - Compressed gas

State regulations

Massachusetts : The following components are listed: DIFLUOROETHANE

New York : None of the components are listed.

New Jersey : The following components are listed: FLUORIDES; 1,1-DIFLUOROETHANE

Pennsylvania : None of the components are listed.

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Ingredient name	Status
HFC-134a	Annex F, Group I
HFC-152a	Annex F, Group I

Stockholm Convention on Persistent Organic Pollutants

Not listed

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

New Zealand

Republic of Korea

Philippines

Taiwan

Australia : All components are listed or exempted.
Canada : All components are listed or exempted.
China : All components are listed or exempted.

Eurasian Economic Union : Russian Federation inventory: Not determined

Japan : Japan inventory (CSCL): All components are listed or exempted.

Japan inventory (ISHL): Not determined.

All components are listed or exempted.
 All components are listed or exempted.
 All components are listed or exempted.
 All components are listed or exempted.

Thailand : Not determined.

Date of issue/Date of revision : 12/7/2022 Date of previous issue : 12/7/2022 Version : 2 9/11







Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Ultrajet® Duster System 22346

Section 15. Regulatory information

Turkey : All components are listed or exempted.
United States : All components are active or exempted.
Viet Nam : All components are listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



Procedure used to derive the classification

Classification	Justification
GASES UNDER PRESSURE - Compressed gas	On basis of test data

History

Date of printing : 12/7/2022 Date of issue/Date of : 12/7/2022

revision

Date of previous issue : 12/7/2022 Version : 2

Key to abbreviations

: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available SGG = Segregation Group UN = United Nations

References : Not available

Notice to reader

Date of issue/Date of revision : 12/7/2022 Date of previous issue : 12/7/2022 Version : 2 10/11





Manufacturer:

Chemtronics

Product Name:

ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Manufacturer Part Number:

ES1020K

Click here for more details on the ITW Chemtronics® Ultrajet® Compressed Air Duster System - 10 oz. Kit

Ultrajet® Duster System 22346

Section 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Date of issue/Date of revision : 12/7/2022 Date of previous issue : 12/7/2022 Version : 2 11/11

