



## SAFETY DATA SHEET

### DST - GENERAL PURPOSE DUST REMOVER, AEROSOL

According to the Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013, as amended.

#### SECTION 1: identification of the hazardous chemical and of the supplier

##### Product identifier

**Product name** DST - GENERAL PURPOSE DUST REMOVER, AEROSOL  
**Product number** MCC-DST, MCC-DST36A, MCC-DSTZ, MCC-DST14A, MCC-DSTZ14, MCC-DST08A

##### Recommended use of the substance or mixture and restrictions on use

**Identified uses** Cleaning agent.

##### Details of the supplier of the safety data sheet

**Supplier** MICROCARE ASIA PTE LTD  
 102E, Pasir Panjang Road,  
 Citilink, #05-06,  
 Singapore 118529  
 Phone (65)6271.0182  
 techsupport@microcare.sg

**Manufacturer** MICROCARE LLC  
 595 John Downey Drive  
 New Britain, CT 06051  
 United States of America  
 CAGE: OATV9  
 Tel: +1 800-638-0125, +1 860-827-0626  
 techsupport@microcare.com

##### Emergency telephone number

**Emergency telephone** INFOTRAC +65 3163 5349 (SINGAPORE)  
 1-352-323-3500 (from anywhere in the world)

#### SECTION 2: Hazard identification

##### Classification of the substance or mixture

##### Classification

**Physical hazards** Aerosol 3 Press. Gas, Compressed - H280  
**Health hazards** Not Classified  
**Environmental hazards** Not Classified

**Human health** Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Mild dermatitis, allergic skin rash.

**Physicochemical** Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Gas or vapour displaces oxygen available for breathing (asphyxiant). Not considered to be a significant hazard due to the small quantities used.

##### Label elements

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### Pictogram



<b>Signal word</b>	Warning
<b>Hazard statements</b>	H280 Contains gas under pressure; may explode if heated.
<b>Precautionary statements</b>	P210 Keep away from heat/ sparks/ open flames /hot surfaces – No smoking. P211 Do not spray on an open flame or other ignition source. P251 Pressurized container: Do not pierce or burn, even after use. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50oC/122oF. P501 Dispose of contents/ container in accordance with local regulations.
<b>Supplemental label information</b>	EUH210 Safety data sheet available on request. RCH001a For use in industrial installations only.
<b>Supplementary precautionary statements</b>	P410+P403 Protect from sunlight. Store in a wellventilated place.

### Other hazards

This product does not contain any substances classified as PBT or vPvB (persistent, bioaccumulative and toxic, or very persistent and very bioaccumulative).

### SECTION 3: Composition and information of the ingredients of the hazardous chemical

#### Mixtures

<b>HFC-134a Tetrafluoroethane</b>	<b>60-100%</b>
CAS number: 811-97-2	

#### **Classification**

Press. Gas, Liquefied - H280

The full text for all hazard statements is displayed in Section 16.

**Composition comments** The data shown are in accordance with the latest EC Directives.

#### **Composition**

### SECTION 4: First-aid measures

#### Description of first aid measures

<b>General information</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Place unconscious person on their side in the recovery position and ensure breathing can take place. If breathing stops, provide artificial respiration. Keep out of the reach of children.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
<b>Ingestion</b>	IF SWALLOWED: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	IF ON SKIN: Thaw frosted parts with lukewarm water. Do not rub affected area. Get medical attention if symptoms are severe or persist after washing. Wash clothing and clean shoes thoroughly before reuse.

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**Eye contact** If liquid has entered the eyes, proceed as follows. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician for specific advice.

### Most important symptoms and effects, both acute and delayed

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** Gas or vapour displaces oxygen available for breathing (asphyxiant). Vapours may cause headache, fatigue, dizziness and nausea. Difficulty in breathing.

**Ingestion** Due to the physical nature of this material it is unlikely that swallowing will occur.

**Skin contact** Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.

**Eye contact** Prolonged contact may cause redness and/or tearing.

### Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## SECTION 5: Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

### Special hazards arising from the substance or mixture

**Specific hazards** Aerosol containers can explode when heated, due to excessive pressure build-up. Keep away from heat, sparks and open flame.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Hydrogen fluoride (HF).

### Advice for fire-fighters

**Protective actions during firefighting** Move containers from fire area if it can be done without risk. Bursting aerosol containers may be propelled from a fire at high speed.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Aerosol containers can explode when heated, due to excessive pressure build-up. Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

### Environmental precautions

**Environmental precautions** Contain spillage with sand, earth or other suitable non-combustible material.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

### Reference to other sections

**Reference to other sections** See Section 11 for additional information on health hazards.

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### SECTION 7: Handling and storage

#### Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Avoid inhalation of vapours/spray and contact with skin and eyes. Keep away from heat, sparks and open flame. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours. Keep out of the reach of children.

#### Conditions for safe storage, including any incompatibilities

**Storage precautions** Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

#### Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

**Reference to other sections.** Store away from incompatible materials (see Section 10).

### SECTION 8: Exposure controls and personal protection

#### Control parameters

#### Exposure controls

#### Protective equipment



#### **Appropriate engineering controls**

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

#### **Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

#### **Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### **Other skin and body protection**

Wear suitable protective clothing as protection against splashing or contamination.

#### **Hygiene measures**

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. When using do not eat, drink or smoke.

#### **Respiratory protection**

Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Wear self-contained breathing apparatus with full facepiece.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquefied gas
<b>Colour</b>	Colourless.
<b>Odour</b>	Slight. Ether.
<b>Odour threshold</b>	No information available.
<b>pH</b>	No information available.
<b>Melting point</b>	No information available.

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<b>Initial boiling point and range</b>	-26.1°C/-15.0°F @ 1013 hPa
<b>Flash point</b>	The product is not flammable.
<b>Evaporation rate</b>	> 1 (CCL4 = 1.0)
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: n/a Lower flammable/explosive limit: n/a
<b>Other flammability</b>	The product is not flammable.
<b>Vapour pressure</b>	96 PSIA @ 20°C
<b>Vapour density</b>	3.6 @ 25 C / 77 F
<b>Relative density</b>	1.21 g/cm <sup>3</sup> at 25 °C (77 °F) (as liquid)
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Slightly soluble in water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition temperature</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Explosive properties</b>	No information available.
<b>Comments</b>	Aerosol
<b>Global Warming Potential (GWP)</b>	
<b>Surface tension</b>	
<b>Refractive index</b>	Not determined.
<b>Particle size</b>	Not applicable.
<b>Molecular weight</b>	No information available.
<b>Volatility</b>	100%
<b>Saturation concentration</b>	No information available.
<b>Critical temperature</b>	No information available.
<b>Volatile organic compound</b>	Not applicable.
<b>Heat of vaporization (at boiling point), cal/g (Btu/lb)</b>	

**SECTION 10: Stability and reactivity**

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	Will not polymerise.

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<b>Conditions to avoid</b>	Avoid exposing aerosol containers to high temperatures or direct sunlight. Keep away from heat, sparks and open flame.
<b>Materials to avoid</b>	Alkali metals. Alkaline earth metals. Powdered metal.
<b>Hazardous decomposition products</b>	Heating may generate the following products: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Hydrogen fluoride (HF).

### SECTION 11: Toxicological information

#### Information on toxicological effects

<b>Other health effects</b>	There is no evidence that the product can cause cancer.
<b>Inhalation</b>	Vapours irritate the respiratory system. May cause coughing and difficulties in breathing.
<b>Ingestion</b>	May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.
<b>Skin contact</b>	Contact with liquid form may cause frostbite. Product has a defatting effect on skin.
<b>Eye contact</b>	May cause temporary eye irritation.

#### Toxicological information on ingredients

##### HFC-134a Tetrafluoroethane

<b>Other health effects</b>	There is no evidence that the product can cause cancer.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> gases ppmV)</b>	567,000.0
<b>Species</b>	Rat
<b>ATE inhalation (gases ppmV)</b>	567,000.0
<b>Inhalation</b>	Vapours irritate the respiratory system. May cause coughing and difficulties in breathing.
<b>Ingestion</b>	May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.
<b>Skin contact</b>	May cause allergic contact eczema. Contact with liquid form may cause frostbite.
<b>Eye contact</b>	May cause temporary eye irritation.

### SECTION 12: Ecological Information

<b>Ecotoxicity</b>	There are no data on the ecotoxicity of this product.
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#### Ecological information on ingredients

##### HFC-134a Tetrafluoroethane

<b><u>Acute aquatic toxicity</u></b>	
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 450 mg/l, Fish

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**Acute toxicity - aquatic invertebrates**      EC<sub>50</sub>, 48 hours: 980 mg/l, Daphnia magna

### Persistence and degradability

**Persistence and degradability**      The degradability of the product is not known.

### Bioaccumulative potential

**Bioaccumulative potential**      No data available on bioaccumulation.

**Partition coefficient**      No information available.

### Ecological information on ingredients

#### HFC-134a Tetrafluoroethane

**Partition coefficient**      Pow: 1.06

### Mobility in soil

**Mobility**      The product contains volatile substances which may spread in the atmosphere.

### Other adverse effects

**Other adverse effects**      The product contains a substance or substances that will contribute to global warming (greenhouse effect).

## SECTION 13: Disposal information

### Waste treatment methods

**General information**      Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods**      Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transportation information

**General**      As supplied, this product is consigned under the Limited Quantities provisions. Requirements for marking and labeling of package varies depending on mode of transport. If uncertain of proper markings and labeling, call MicroCare for assistance.

### UN number

**UN No. (IMDG)**      1950

**UN No. (ICAO)**      1950

### UN proper shipping name

**Proper shipping name (Road/Rail)**      LIMITED QUANTITY

**Proper shipping name (IMDG)**      UN1950 AEROSOLS, NON-FLAMMABLE, 2.2, LIMITED QUANTITY

**Proper shipping name (ICAO)**      UN1950 AEROSOLS, NON-FLAMMABLE, 2.2, LIMITED QUANTITY

### Transport hazard class(es)

**IMDG class**      2.2 LIMITED QUANTITY

**ICAO class/division**      2.2 LIMITED QUANTITY

### Packing group

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ICAO packing group Not Applicable

### Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### Special precautions for user

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable. No information required.

### SECTION 15: Regulatory information

#### Safety, health and environmental regulations specific for the substance or mixture

### SECTION 16: Other information

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	3/6/2021
<b>Revision</b>	69
<b>Supersedes date</b>	15/6/2020
<b>SDS number</b>	AEROSOL - DST
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H280 Contains gas under pressure; may explode if heated.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.