SAFETY DATA SHEET

DST - GENERAL PURPOSE DUST REMOVER, AEROSOL


1. Identification

Product identifier

Product name DST - GENERAL PURPOSE DUST REMOVER, AEROSOL

Product number MCC-DST, MCC-DST36A, MCC-DSTZ, MCC-DST14A, MCC-DSTZ14, MCC-DST08A

Synonyms; trade names 419-500, 758OZ134

Recommended use of the chemical and restrictions on use

Application Cleaning agent.

Details of the supplier of the safety data sheet

Supplier MICROCARE CORPORATION

Manufacturer MICROCARE CORPORATION

595 John Downey Drive

New Britain, CT 06051

United States of America

CAGE: OATV9

Tel: +1 800 638 0125, +1 860-827-0626

Fax: +1 860-893-1930

techsupport@microcare.com

Emergency telephone number

Emergency telephone CHEMTREC 1-800-424-9300 (within the U.S.)

+1 703-741-5970 (from anywhere in the world)

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status This Product is Hazardous under the OSHA Hazard Communication Standard.

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

Signal word Warning

Hazard statements H280 Contains gas under pressure; may explode if heated.

Precautionary statements P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P251 Pressurized container: Do not pierce or burn, even after use
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.
P501 Dispose of contents/ container in accordance with local regulations.

Supplemental label information Safety data sheet available on request. For use in industrial installations only.

Other hazards This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>60-100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFC-134a Tetrafluoroethane</td>
<td></td>
</tr>
<tr>
<td>CAS number: 811-97-2</td>
<td></td>
</tr>
</tbody>
</table>

Classification Press. Gas, Liquefied - H280

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

Composition comments TSCA: The ingredients of this product are on the TSCA Inventory. The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of CFR 1900.1200 TSCA: The ingredients of this product are on the TSCA Inventory.

4. First-aid measures

General information 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.

Inhalation 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.

Ingestion Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Consult a physician for specific advice.

Skin Contact Remove contaminated clothing and rinse skin thoroughly with water.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Consult a physician for specific advice.

Most important symptoms and effects, both acute and delayed
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General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
Vapors 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
No specific symptoms known.

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

Indication of immediate medical attention and special treatment needed
No specific recommendations. If in doubt, get medical attention promptly.

5. Fire-fighting measures

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
Keep away from heat, sparks and open flame. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapors. Aerosol containers can explode when heated, due to excessive pressure build-up.

Hazardous combustion products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Oxides of carbon. Oxides of nitrogen.

Advice for firefighters

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.

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 vapors. Use approved respirator if air contamination is above an acceptable level.

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
See Section 11 for additional information on health hazards.

7. Handling and storage

Precautions for safe handling
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Usage precautions
Provide adequate ventilation. Avoid inhalation of vapors/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 vapors. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities
Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

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).

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits
HFC-134a Tetrafluoroethane
Long-term exposure limit (8-hour TWA): OES 4240 mg/m³

Additional Occupational Exposure Limits

Exposure controls

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
Vapors 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.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance
Liquefied gas

Color
Colorless.

Odor
Slight. Ether.
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<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor threshold</td>
<td>No information available.</td>
</tr>
<tr>
<td>pH</td>
<td>No information available.</td>
</tr>
<tr>
<td>Melting point</td>
<td>No information available.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>-26.1°C/-15.0°F @ 1013 hPa</td>
</tr>
<tr>
<td>Flash point</td>
<td>The product is not flammable.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&gt; 1 (CCL4 = 1.0)</td>
</tr>
<tr>
<td>Evaporation factor</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Upper flammable/explosive limit: n/a Lower flammable/explosive limit: n/a</td>
</tr>
<tr>
<td>Other flammability</td>
<td>The product is not flammable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>96 PSIA @ 20°C</td>
</tr>
<tr>
<td>Vapor density</td>
<td>3.6 @ 25 C / 77 F</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.21 g/cm³ at 25 °C (77 °F) (as liquid)</td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Slightly soluble in water.</td>
</tr>
<tr>
<td>Partition coefficient</td>
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</tr>
<tr>
<td>Auto-ignition temperature</td>
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<tr>
<td>Decomposition Temperature</td>
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<tr>
<td>Viscosity</td>
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<tr>
<td>Explosive properties</td>
<td>No information available.</td>
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<tr>
<td>Comments</td>
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<tr>
<td>Refractive index</td>
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<tr>
<td>Particle size</td>
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<tr>
<td>Molecular weight</td>
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<tr>
<td>Volatility</td>
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<tr>
<td>Saturation concentration</td>
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<tr>
<td>Critical temperature</td>
<td>No information available.</td>
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<tr>
<td>Volatile organic compound</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**10. Stability and reactivity**

- **Reactivity**: There are no known reactivity hazards associated with this product.
- **Stability**: Stable at normal ambient temperatures and when used as recommended.
- **Possibility of hazardous reactions**: Will not polymerize.
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Conditions to avoid
Avoid exposing aerosol containers to high temperatures or direct sunlight. Keep away from heat, sparks and open flame. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapors.

Materials to avoid
Alkali metals. Alkaline earth metals. Powdered metal.

Hazardous decomposition products

11. Toxicological information

Information on toxicological effects
Other health effects
There is no evidence that the product can cause cancer.

Inhalation
Vapors irritate the respiratory system. May cause coughing and difficulties in breathing.

Ingestion
May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.

Skin Contact
Product has a defatting effect on skin. May cause allergic contact eczema. Contact with liquid form may cause frostbite.

Eye contact
May cause temporary eye irritation.

Toxicological information on ingredients.

HFC-134a Tetrafluoroethane

Other health effects
There is no evidence that the product can cause cancer.

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 gases ppmV)
567,000.0

Species Rat

ATE inhalation (gases ppm)
567,000.0

Inhalation
Vapors irritate the respiratory system. May cause coughing and difficulties in breathing.

Ingestion
May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.

Skin Contact
May cause allergic contact eczema. Contact with liquid form may cause frostbite.

Eye contact
May cause temporary eye irritation.

12. Ecological information

Ecotoxicity
There are no data on the ecotoxicity of this product.

Ecological information on ingredients.

HFC-134a Tetrafluoroethane

Acute aquatic toxicity
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Acute toxicity - fish
LC₅₀, 96 hours: 450 mg/l, Fish

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 980 mg/l, Daphnia magna

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

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

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

13. Disposal considerations

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.

14. Transport 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

Proper shipping name
Proper shipping name (TDG) 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
Proper shipping name (DOT) LIMITED QUANTITY

Transport hazard class(es)
IMDG Class 2.2 LIMITED QUANTITY
ICAO class/division 2.2 LIMITED QUANTITY
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Packing group

ICAO packing group  Not Applicable

Environmental hazards

Environmentally Hazardous Substance
No.

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

15. Regulatory information

Guidance

Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
Not listed.

SARA 313 Emission Reporting
Not listed.

CAA Accidental Release Prevention
Not listed.

SARA (311/312) Hazard Categories
Pressure

OSHA Highly Hazardous Chemicals
Not listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins
Not listed.

California Air Toxics "Hot Spots" (A-I)
Not listed.

California Air Toxics "Hot Spots" (A-II)
Not listed.

California Directors List of Hazardous Substances
Not listed.

Massachusetts "Right To Know" List
Not listed.

Rhode Island "Right To Know" List
Not listed.
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Minnesota "Right To Know" List

HFC-134a Tetrafluoroethane
Present.

New Jersey "Right To Know" List
Not listed.

Pennsylvania "Right To Know" List
Not listed.

Inventories

Canada - DSL/NDSL
Yes

US - TSCA

HFC-134a Tetrafluoroethane
Present.

16. Other information

<table>
<thead>
<tr>
<th>Revision comments</th>
<th>NOTE: Lines within the margin indicate significant changes from the previous revision.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>9/14/2018</td>
</tr>
<tr>
<td>Revision</td>
<td>64</td>
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<tr>
<td>Supersedes date</td>
<td>7/18/2018</td>
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<tr>
<td>SDS No.</td>
<td>AEROSOL - DST</td>
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<tr>
<td>SDS status</td>
<td>Approved.</td>
</tr>
<tr>
<td>Hazard statements in full</td>
<td>H280 Contains gas under pressure; may explode if heated.</td>
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</tbody>
</table>

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.