SAFETY DATA SHEET
MicroCare HDS Heavy Duty Degreasing Solvent

1. Identification

Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>MicroCare HDS Heavy Duty Degreasing Solvent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product number</td>
<td>MCC-HDSL, MCC-HDSG, MCC-HDSP, MCC-HDSD, MCC-HDSGL, MCC-HDSGG</td>
</tr>
<tr>
<td>Synonyms; trade names</td>
<td>MCC-HDSL (2.5 lb - 1 Liter); MCC-HDSG (10 lb - 1 Gallon Pail); MCC-HDSP (50 lb - 5 Gallon Pail); MCC-HDSD (500 lb - 55 Gallon Drum)</td>
</tr>
</tbody>
</table>

Recommended use of the chemical and restrictions on use

Uses advised against

No specific uses advised against are identified.

Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Supplier</th>
<th>MICROCARE CORPORATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>MICROCARE CORPORATION</td>
</tr>
<tr>
<td></td>
<td>595 John Downey Drive</td>
</tr>
<tr>
<td></td>
<td>New Britain, CT 06051</td>
</tr>
<tr>
<td></td>
<td>United States of America</td>
</tr>
<tr>
<td></td>
<td>CAGE: OATV9</td>
</tr>
<tr>
<td></td>
<td>Tel: +1 800 638 0125, +1 860-827-0626</td>
</tr>
<tr>
<td></td>
<td>Fax: +1 860-893-1930</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:techsupport@microcare.com">techsupport@microcare.com</a></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>OSHA Regulatory Status</th>
<th>This Product is Not Hazardous under the OSHA Hazard Communication Standard.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical hazards</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Health hazards</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Aquatic Chronic 3 - H412</td>
</tr>
</tbody>
</table>

Label elements

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>H412 Harmful to aquatic life with long lasting effects.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precautionary statements</td>
<td>P273 Avoid release to the environment. P501 Dispose of contents/ container in accordance with national regulations.</td>
</tr>
</tbody>
</table>

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

Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>trans-1,2-DICHLOROETHYLENE</td>
<td>156-60-5</td>
<td>30-60%</td>
</tr>
<tr>
<td>1,1,1,2,2,3,4,5,5,5-decafluoropentane</td>
<td>138495-42-8</td>
<td>30-60%</td>
</tr>
<tr>
<td>1,1,1,3,3-PENTAFLUOROBUTANE</td>
<td>406-58-6</td>
<td>10-30%</td>
</tr>
</tbody>
</table>

Classification

- Flam. Liq. 2 - H225
- Acute Tox. 4 - H332
- Aquatic Chronic 3 - H412

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.

4. First-aid measures

Description of first aid measures

**General information**

If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

**Inhalation**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

**Ingestion**

Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

**Skin Contact**

Rinse with water.

**Eye contact**

Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.

**Protection of first aiders**

First aid personnel should wear appropriate protective equipment during any rescue.

**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**

No specific symptoms known.
MicroCare HDS Heavy Duty Degreasing Solvent

Ingestion
No specific symptoms known.

Skin contact
No specific symptoms known.

Eye contact
No specific symptoms known. May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards
Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products
Thermal decomposition or combustion products may include the following substances:
Harmful gases or vapors.

Advice for firefighters

Protective actions during firefighting
Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material.

Environmental precautions

Environmental precautions
Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

Methods and material for containment and cleaning up

Methods for cleaning up
Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.
**MicroCare HDS Heavy Duty Degreasing Solvent**

**Reference to other sections**
For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

**7. Handling and storage**

**Precautions for safe handling**

**Usage precautions**
Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Avoid discharge to the aquatic environment.

**Advice on general occupational hygiene**
Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

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

**Storage precautions**
Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

**Storage class**
Miscellaneous hazardous material storage.

**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**

trans-1,2-DICHLOROETHYLENE
Long-term exposure limit (8-hour TWA): ACGIH 200 ppm 793 mg/m³

1,1,1,2,2,3,4,5,5,5-decafluoropentane
No information available that would effect occupational exposure limit values.

1,1,1,3,3-PENTAFLUOROBUTANE
Long-term exposure limit (8-hour TWA): SUP 1000 ppm
ACGIH = American Conference of Governmental Industrial Hygienists.

**Additional Occupational Exposure Limits**

**Ingredient comments**
SUP = Supplier's recommendation.

**Exposure controls**

**Protective equipment**

**Appropriate engineering controls**
Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection**
Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

**Hand protection**
No specific hand protection recommended. Avoid contact with skin.
MicroCare HDS Heavy Duty Degreasing Solvent

Other skin and body protection
Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures
Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection
Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

Environmental exposure controls
Keep container tightly sealed when not in use. 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.

9. Physical and chemical properties
Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless.</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight. Ether.</td>
</tr>
<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>37°C/99°F @ 101.3 kPa</td>
</tr>
<tr>
<td>Flash point</td>
<td>The product is not flammable.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>0.87 (Butyl Acetate =1)</td>
</tr>
<tr>
<td>Evaporation factor</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Lower flammable/explosive limit: 7.5 %(V) Upper flammable/explosive limit: 9.0 %(V)</td>
</tr>
<tr>
<td>Other flammability</td>
<td>The product is not flammable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>65 kPa @ 25°C</td>
</tr>
<tr>
<td>Vapor density</td>
<td>4.0</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.37</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>
<td>No information available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available.</td>
</tr>
<tr>
<td>Refractive index</td>
<td>No information available.</td>
</tr>
</tbody>
</table>
MicroCare HDS Heavy Duty Degreasing Solvent

**Particle size**
No information available.

**Molecular weight**
No information available.

**Volutility**
100%

**Saturation concentration**
No information available.

**Critical temperature**
No information available.

**Volatile organic compound**
This product contains a maximum VOC content of 590 g/l.

### 10. Stability and reactivity

**Reactivity**
See the other subsections of this section for further details.

**Stability**
Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

**Possibility of hazardous reactions**
No potentially hazardous reactions known.

**Conditions to avoid**
There are no known conditions that are likely to result in a hazardous situation.

**Materials to avoid**
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

**Hazardous decomposition products**
Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

### 11. Toxicological information

**Information on toxicological effects**

**Acute toxicity - oral**
Notes (oral LD₅₀)
Based on available data the classification criteria are not met.

**Acute toxicity - dermal**
Notes (dermal LD₅₀)
Based on available data the classification criteria are not met.

**Acute toxicity - inhalation**
Notes (inhalation LC₅₀)
Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)**
22.0

**Skin corrosion/irritation**

**Animal data**
Based on available data the classification criteria are not met.

**Serious eye damage/irritation**
Based on available data the classification criteria are not met.

**Respiratory sensitization**
Based on available data the classification criteria are not met.

**Skin sensitization**
Based on available data the classification criteria are not met.

**Germ cell mutagenicity**
Based on available data the classification criteria are not met.

**Genotoxicity - in vitro**
Based on available data the classification criteria are not met.

**Carcinogenicity**
MicroCare HDS Heavy Duty Degreasing Solvent

Carcinogenicity
Based on available data the classification criteria are not met.

IARC carcinogenicity
None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility
Based on available data the classification criteria are not met.

Reproductive toxicity - development
Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure
Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure
Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard
Based on available data the classification criteria are not met.

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

Inhalation
No specific symptoms known.

Ingestion
No specific symptoms known.

Skin Contact
No specific symptoms known.

Eye contact
No specific symptoms known.

Route of exposure
Ingestion Inhalation Skin and/or eye contact

Target Organs
No specific target organs known.

Toxicological information on ingredients.

trans-1,2-DICHLOROETHYLENE

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

Acute toxicity - inhalation
ATE inhalation (vapours mg/l) 11.0

1,1,2,2,3,4,5,5-decafluorpentane

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species
Rat

ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,000.0

Species
Rat

ATE dermal (mg/kg) 5,000.0
MicroCare HDS Heavy Duty Degreasing Solvent

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 114.0
Species Rat
ATE inhalation (vapours mg/l) 114.0

Skin corrosion/irritation

Animal data Not irritating. Rabbit
Human skin model test Data lacking.

Extreme pH Not applicable. Not corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating. Rabbit

Respiratory sensitization

Respiratory sensitization Data lacking.

Skin sensitization

Skin sensitization Not sensitizing. - Guinea pig: Not sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.
Genotoxicity - in vivo This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.
IARC carcinogenicity Not listed.
NTP carcinogenicity Not listed.
OSHA Carcinogenicity Not listed.

Reproductive toxicity

Reproductive toxicity - fertility No evidence of reproductive toxicity in animal studies.

Skin Contact

Skin irritation should not occur when used as recommended. May cause defatting of the skin but is not an irritant.

Eye contact

May cause eye irritation.

Acute and chronic health hazards

There is no evidence that the product can cause cancer.

1,1,1,3,3-PENTAFUOROBUTANE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,000.0
MicroCare HDS Heavy Duty Degreasing Solvent

Species  Rat
ATE oral (mg/kg)  2,000.0

Acute toxicity - inhalation
Acute toxicity inhalation (LC₅₀ vapours mg/l)  100,000.0
Species  Rat
ATE inhalation (vapours mg/l)  100,000.0

Specific target organ toxicity - single exposure
STOT - single exposure  LOAE 75100 ppm, Inhalation,
Specific target organ toxicity - repeated exposure
STOT - repeated exposure  NOAEC 6 mg/l, Inhalation, Rat
Target organs  Liver Kidneys

12. Ecological information

Ecological information on ingredients.

**trans-1,2-DICHLOROETHYLENE**

Ecotoxicity  Low acute toxicity to aquatic organisms.

**1,1,1,2,2,3,4,5,5,5-decafluoropentane**

Ecotoxicity  It is unlikely that the substance will dissolve in water in amounts big enough to have a toxic effect on fish and daphnies.

Toxicity  Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

Ecological information on ingredients.

**trans-1,2-DICHLOROETHYLENE**

Acute aquatic toxicity
Acute toxicity - fish  LC₅₀, 96 hours: 1350 mg/l, Fish
Acute toxicity - aquatic invertebrates  EC₅₀, 48 hours: 220 mg/l, Daphnia magna

**1,1,1,2,2,3,4,5,5,5-decafluoropentane**

Acute aquatic toxicity
Acute toxicity - fish  LC₅₀, 96 hours: 13.9 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates  LC₅₀, 48 hours: 11.7 mg/l, Daphnia magna
Acute toxicity - aquatic plants  EC₅₀, 72 hours: >120 mg/l, Algae

Persistence and degradability
Persistence and degradability  The degradability of the product is not known.
MicroCare HDS Heavy Duty Degreasing Solvent

Bioaccumulative potential

Bio-Accumulative Potential  No data available on bioaccumulation.

Partition coefficient  No information available.

Ecological information on ingredients.

**trans-1,2-DICHLOROETHYLENE**

Bio-Accumulative Potential  Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

**1,1,1,2,2,3,4,5,5,5-decafluoropentane**

Bio-Accumulative Potential  Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

Partition coefficient  Pow: 2.7

Mobility in soil

Mobility  No data available.

Ecological information on ingredients.

**trans-1,2-DICHLOROETHYLENE**

Mobility  The product has poor water-solubility.

Other adverse effects

Other adverse effects  None known.

### 13. Disposal considerations

**Waste treatment methods**

**General information**  The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods**  Do not empty into drains.

### 14. Transport information

**General**  The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

**UN Number**

**UN No. (International)**  Not applicable.

**UN No. (DOT)**  Not applicable.

**UN proper shipping name**

**Proper shipping name (International)**  Not applicable.

**Proper shipping name (DOT)**  Not applicable.

**Transport hazard class(es)**
MicroCare HDS Heavy Duty Degreasing Solvent

Transport Labels
(INTERNATIONAL)

DOT Transport labels
No transport warning sign required.

Packing group

Packing group (International) Not applicable.

DOT Packing group Not applicable.

Environmental hazards

Environmentally Hazardous Substance
No.

Special precautions for user

Not applicable.

DOT Reportable Quantity Not applicable.

DOT TIH Zone Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
The following ingredients are listed or exempt:

trans-1,2-DICHLOROETHYLENE
Final CERCLA RQ: 1000(454) pounds (Kilograms)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
None of the ingredients are listed or exempt.

SARA 313 Emission Reporting
None of the ingredients are listed or exempt.

CAA Accidental Release Prevention
None of the ingredients are listed or exempt.

FDA - Essential Chemical
None of the ingredients are listed or exempt.

FDA - Precursor Chemical
None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories
None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals
None of the ingredients are listed or exempt.
MicroCare HDS Heavy Duty Degreasing Solvent

**US State Regulations**

**California Proposition 65 Carcinogens and Reproductive Toxins**
None of the ingredients are listed or exempt.

**California Air Toxics "Hot Spots" (A-I)**
None of the ingredients are listed or exempt.

**California Air Toxics "Hot Spots" (A-II)**
None of the ingredients are listed or exempt.

**California Directors List of Hazardous Substances**
The following ingredients are listed or exempt:

trans-1,2-DICHLOROETHYLENE

**Massachusetts "Right To Know" List**
The following ingredients are listed or exempt:

trans-1,2-DICHLOROETHYLENE

**Rhode Island "Right To Know" List**
None of the ingredients are listed or exempt.

**Minnesota "Right To Know" List**
None of the ingredients are listed or exempt.

**New Jersey "Right To Know" List**
None of the ingredients are listed or exempt.

**Pennsylvania "Right To Know" List**
The following ingredients are listed or exempt:

trans-1,2-DICHLOROETHYLENE

**Inventories**

**Canada - DSL/NDSL**
DSL

**US - TSCA**
All the ingredients are listed or exempt.

1,1,1,3,3-PENTAFLUOROBUTANE
Present.
1,1,1,2,2,3,4,5,5,5-decafluoropentane
Present.

1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE (CAS# 138495-42-8) is controlled by TSCA Section 5, Significant New Use Rule (SNUR; 40 CFR 721.5645) The approved uses are: precision and general cleaning, carrier fluid, displacement drying, printed circuit board cleaning, particulate removal and film cleaning, process medium, heat transfer fluid (dielectric and non-dielectric), and test fluid. Processors and users of this substance must also comply with the applicable general SNUR requirements set forth in 40 CFR 721 subpart A, including export notification requirements if applicable (40 CFR 721.20), and the applicable record keeping requirements set forth at 40 CFR 721.125.

1,1,1,2,2,3,4,5,5,5-Decafluoropentane 138495-42-8
The United States Environmental Protection Agency (USEPA) has established a Significant New Use Rule (SNUR) for one of the components in this product. This material contains one or more substances which requires export notification under TSCA Section 12(b) and 40 CFR Part 707 Subpart D:

trans-1,2-DICHLOOROETHYLENE
Present.

US - TSCA 12(b) Export Notification
The following ingredients are listed or exempt:
1,1,1,2,2,3,4,5,5,5-decafluoropentane
trans-1,2-DICHLOROETHYLENE

16. Other information

| Classification abbreviations and acronyms | Aquatic Chronic = Hazardous to the aquatic environment (chronic) |
| Training advice | Only trained personnel should use this material. |
| Revision date | 9/12/2018 |
| Revision | 31 |
| Supersedes date | 6/26/2018 |
| SDS No. | BULK - HDS |
| Hazard statements in full | H225 Highly flammable liquid and vapor.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects. |

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.