SAFETY DATA SHEET  
FRC  GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL  

<table>
<thead>
<tr>
<th>1. Identification</th>
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</thead>
<tbody>
<tr>
<td><strong>Product identifier</strong></td>
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<tr>
<td><strong>Product name</strong></td>
</tr>
<tr>
<td><strong>Product number</strong></td>
</tr>
<tr>
<td><strong>Synonyms; trade names</strong></td>
</tr>
</tbody>
</table>

| 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:  +1 860-827-0626 |
| Fax:  +1 860-827-8105 |
| techsupport@microcare.com |

| Emergency telephone number |
| Emergency telephone | CHEMTREC (800) 424-9300 |

| 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, Liquefied - H280 |
| **Health hazards** | Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 STOT SE 1 - H370 STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 |
| **Environmental hazards** | Aquatic Chronic 3 - H412 |

| Human health | Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Mild dermatitis, allergic skin rash. |
| Environmental | The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. |
| Physicochemical | Vapors are heavier than air and may travel along the floor and accumulate in the bottom of containers. Not considered to be a significant hazard due to the small quantities used. Gas or vapor displaces oxygen available for breathing (asphyxiant). |

| Label elements |

1/15
FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

Pictogram

Signal word

Hazard statements
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs .
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
P261 Avoid breathing vapor/ spray.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314 Get medical advice/ attention if you feel unwell.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P410+P403 Protect from sunlight. Store in a well-ventilated place.
P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information
EUH210 Safety data sheet available on request.
RCH001a For use in industrial installations only.

Contains
trans-DICHLOROETHYLENE, METHANOL

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

3. Composition/information on ingredients

Mixtures

trans-DICHLOROETHYLENE 10-30%
CAS number: 156-60-5

Classification
Flam. Liq. 2 - H225
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Irrit. 2A - H319
STOT SE 3 - H336
Asp. Tox. 1 - H304
Aquatic Chronic 3 - H412
### FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1,3,3-PENTAFLUOROBUTANE</td>
<td>10-30%</td>
</tr>
<tr>
<td>Classification</td>
<td></td>
</tr>
<tr>
<td>Flam. Liq. 2 - H225</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>A MIXTURE OF: (R,R)-1,1,1,2,2,3,4,5,5-</td>
<td>10-30%</td>
</tr>
<tr>
<td>DECAFLUOROPENTANE, (S,S)-1,1,1,2,2,3,4,5,5-</td>
<td></td>
</tr>
<tr>
<td>DECAFLUOROPENTANE</td>
<td></td>
</tr>
<tr>
<td>Classification</td>
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<tr>
<td>Aquatic Chronic 3 - H412</td>
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</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFC-134a Tetrafluoroethane</td>
<td>10-30%</td>
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<tr>
<td>Classification</td>
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<td>Press. Gas, Liquefied - H280</td>
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</table>

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<thead>
<tr>
<th>Chemical Name</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>METHANOL</td>
<td>1-5%</td>
</tr>
<tr>
<td>Classification</td>
<td></td>
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<tr>
<td>Flam. Liq. 2 - H225</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 3 - H301</td>
<td></td>
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<tr>
<td>Acute Tox. 3 - H311</td>
<td></td>
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<tr>
<td>Acute Tox. 3 - H331</td>
<td></td>
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<tr>
<td>STOT SE 1 - H370</td>
<td></td>
</tr>
</tbody>
</table>

The Full Text for all Hazard Statements are Displayed in Section 16.

**Composition comments**
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.

**Composition**

4. **First-aid measures**

**Description of first aid measures**

**General information**
Never give anything by mouth to an unconscious person. Do not induce vomiting. Place unconscious person on the side in the recovery position and ensure breathing can take place. If breathing stops, provide artificial respiration. Consult a physician for specific advice.

**Inhalation**
Remove affected person from source of contamination. 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.
FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

Ingestion
Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention.

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

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.

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

Skin contact
Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact
Irritation and redness, followed by blurred vision.

Indication of immediate medical attention and special treatment needed

Notes for the doctor
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

Flammability Class
The product is not flammable.

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.

Advice for firefighters
Move containers from fire area if it can be done without risk.

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
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. Avoid release to the environment.

Methods and material for containment and cleaning up

4/15
FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

Methods for cleaning up

Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. 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. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

Reference to other sections

For personal protection, see Section 8. For waste disposal, see section 13.

7. Handling and storage

Precautions for safe handling

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

Storage precautions

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 1.2.

Reference to other sections

Store away from incompatible materials (see Section 10).

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

trans-DICHLOROETHYLENE

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm  793 mg/m³

1,1,1,3,3-PENTAFLUOROBUTANE

Long-term exposure limit (8-hour TWA): SUP 1000 ppm

HFC-134a Tetrafluoroethane

Long-term exposure limit (8-hour TWA): OES  4240 mg/m³
Short-term exposure limit (15-minute): OES

METHANOL

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm  262 mg/m³
Short-term exposure limit (15-minute): ACGIH 250 ppm  328 mg/m³
Sk

Long-term exposure limit (8-hour TWA): OSHA 200 ppm  260 mg/m³
ACGIH = American Conference of Governmental Industrial Hygienists.

Sk = Danger of cutaneous absorption.
OSHA = Occupational Safety and Health Administration.

Additional Occupational Exposure Limits

Ingredient comments

WEL = Workplace Exposure Limits ACGIH = US Standard.

Exposure controls
FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

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. It is recommended that gloves are made of the following material: Nitrile rubber. Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber).

Other skin and body protection
Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.

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
Considering the size of the packaging, the risk is regarded as minimal. 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
Clear liquid. Aerosol.

Color
Colorless.

Odor
Slight. Ether.

Odor threshold
No information available.

pH
No information available.

Melting point
No information available.

Initial boiling point and range
37°C/99°F @ 101.3 kPa

Flash point
The product is not flammable.

Evaporation rate
No information available.

Evaporation factor
No information available.

Upper/lower flammability or explosive limits
Lower flammable/explosive limit: 7.5 %(V) Upper flammable/explosive limit: 9.0 %(V)

Other flammability
The product is not flammable. Aerosol ignition distance: none at 0.0 cm

Vapor pressure
65 kPa @ 25°C

Vapor density
4.0

Relative density
No information available.

Bulk density
No information available.
FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

Solubility(ies)  Slightly soluble in water.
Partition coefficient  No information available.
Auto-ignition temperature  No information available.
Decomposition Temperature  No information available.
Viscosity  No information available.
Comments  Aerosol.
Refractive index  No information available.
Particle size  Not applicable.
Molecular weight  Not applicable.
Vapour  100%
Saturation concentration  No information available.
Critical temperature  No information available.
Volatile organic compound  No information available.
Flammability  The product is not flammable.

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.
Conditions to avoid  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  Heating may generate the following products: Toxic and corrosive gases or vapors. Halogenated hydrocarbons. Hydrogen fluoride (HF). Carbon dioxide (CO2). Carbon monoxide (CO).

11. Toxicological information

Information on toxicological effects

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

Acute toxicity - oral
ATE oral (mg/kg)  1,763.33

Acute toxicity - dermal
ATE dermal (mg/kg)  7,500.0

Acute toxicity - inhalation
ATE inhalation (vapours mg/l)  75.0
FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

Inhalation
Vapors may irritate throat/respiratory system. A single exposure may cause the following adverse effects: Coughing. Difficulty 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.

Eye contact
May cause temporary eye irritation.

Medical Symptoms
Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

Toxicological information on ingredients.

trans-DICHLOROETHYLENE

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

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg) 1,235.0
Species Rat
ATE oral (mg/kg) 1,235.0

Acute toxicity - dermal
Acute toxicity dermal (LD₅₀ mg/kg) 5,000.0
Species Rabbit
ATE dermal (mg/kg) 5,000.0

Acute toxicity - inhalation
Acute toxicity inhalation (LC₅₀ vapours mg/l) 24,100.0
Species Rat
ATE inhalation (vapours mg/l) 24,100.0

1,1,1,3,3-PENTAFLUOROBUTANE

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg) 2,000.0
Species Rat
ATE oral (mg/kg) 2,000.0

Acute toxicity - inhalation
Acute toxicity inhalation (LC₅₀ vapours mg/l) 100,000.0
Species Rat
FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

ATE inhalation (vapours mg/l) 100,000.0

Specific target organ toxicity - single exposure
STOT - single exposure LOAEL 75100 ppm, Inhalation,

Specific target organ toxicity - repeated exposure
STOT - repeated exposure NOAEC 6 mg/l, Inhalation, Rat

Target organs Liver Kidneys

A MIXTURE OF: (R,R)-1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE, (S,S)-1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE

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 Rabbit
ATE dermal (mg/kg) 5,000.0

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

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

METHANOL

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg) 7,300.0
Species Mouse
FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

ATE oral (mg/kg) 100.0
Acute toxicity - dermal
Acute toxicity dermal (LD₅₀ mg/kg) 15,800.0
Species Rabbit
ATE dermal (mg/kg) 300.0
Acute toxicity - inhalation
Acute toxicity inhalation (LC₅₀ vapours mg/l) 64,000.0
Species Rat
ATE inhalation (vapours mg/l) 3.0

12. Ecological Information

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

Ecological information on ingredients.

trans-DICHLOROETHYLENE
Ecotoxicity Low acute toxicity to aquatic organisms.
Toxicity No data available.

Ecological information on ingredients.

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

A MIXTURE OF: (R,R)-1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE, (S,S)-1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE
Acute toxicity - fish LC₅₀, 96 hours: 27.2 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates LC₅₀, 48 hours: 11.7 mg/l, Daphnia magna
Acute toxicity - aquatic plants EC₅₀, 72 hours: >120 mg/l, Pseudokirchneriella subcapitata

HFC-134a Tetrafluoroethane
Acute toxicity - fish LC₅₀, 96 hours: 450 mg/l, Fish
Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 980 mg/l, Daphnia magna

METHANOL
FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

Acute toxicity - fish
LC₅₀, 96 hours: >100 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: >10000 mg/l, Daphnia magna

Persistence and degradability
There are no data on the degradability of this product.

Ecological information on ingredients.

trans-DICHLOROETHYLENE

Persistence and degradability
No data available.

A MIXTURE OF: (R,R)-1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE, (S,S)-1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE

Biodegradation
Not readily biodegradable.

Bioaccumulative potential
Bio-Accumulative Potential
No data available on bioaccumulation.

Partition coefficient
No information available.

Ecological information on ingredients.

trans-DICHLOROETHYLENE

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

A MIXTURE OF: (R,R)-1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE, (S,S)-1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE

Bio-Accumulative Potential
Bioaccumulation is unlikely.

Partition coefficient
Pow: 2.7

HFC-134a Tetrafluoroethane

Partition coefficient
Pow: 1.06

Mobility in soil
Mobility
The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

trans-DICHLOROETHYLENE

Mobility
The product has poor water-solubility.

Results of PBT and vPvB assessment

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

Other adverse effects
FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL

Other adverse effects
The product contains a substance which has a photochemical ozone creation potential.

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. Empty containers must not be punctured or incinerated because of the risk of an explosion. Aerosol containers can explode when heated, due to excessive pressure build-up. Reuse or recycle products wherever possible.

14. Transport information

UN Number

UN No. (TDG) UN1950
UN No. (IMDG) UN1950
UN No. (ICAO) UN1950
UN No. (DOT) UN1950

UN proper shipping name

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

Transport hazard class(es)

TDG class 2.2
IMDG Class 2.2
ICAO class/division 2.2
ICAO subsidiary risk N/A

Transport labels

Packing group

TDG Packing Group N/A
IMDG packing group N/A
ICAO packing group N/A
DOT packing group N/A

Environmental hazards

Environmentally Hazardous Substance No.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

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

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
METHANOL
Final CERCLA RQ: 5000(2270) pounds (Kilograms)
trans-DICHLOROETHYLENE
Final CERCLA RQ: 1000(454) pounds (Kilograms)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
Not listed.

SARA 313 Emission Reporting
METHANOL
1.0 %

CAA Accidental Release Prevention
Not listed.

SARA (311/312) Hazard Categories
Acute
Chronic
Pressure

OSHA Highly Hazardous Chemicals
Not listed.

US State Regulations
California Proposition 65 Carcinogens and Reproductive Toxins
METHANOL
Known to the State of California to cause developmental and reproductive toxicity.

California Air Toxics "Hot Spots" (A-I)
METHANOL
Present.

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

California Directors List of Hazardous Substances
trans-DICHLOROETHYLENE
Present.

Massachusetts "Right To Know" List
**FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL**

*METHANOL*  
Present.

*trans-DICHLOROETHYLENE*  
Present.

**Rhode Island "Right To Know" List**

*METHANOL*  
Present.

**Minnesota "Right To Know" List**

*HFC-134a Tetrafluoroethane*  
Present.

*METHANOL*  
Present.

**New Jersey "Right To Know" List**

*METHANOL*  
Present.

**Pennsylvania "Right To Know" List**

*METHANOL*  
Present.

*trans-DICHLOROETHYLENE*  
Present.

**Inventories**

**Canada - DSL/NDSL**

All the ingredients are listed or exempt.

DSL

1,1,1,3,3-PENTAFLUOROBUTANE  
DSL

A MIXTURE OF: (R,R)-1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE, (S,S)-1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE  
DSL

HFC-134a Tetrafluoroethane  
DSL

*METHANOL*  
DSL

*trans-DICHLOROETHYLENE*  
DSL

**US - TSCA**

All the ingredients are listed or exempt.

**Korea - KECI**

1,1,1,3,3-PENTAFLUOROBUTANE  
Yes

**China - IECSC**
**FRC GENERAL PURPOSE FLUX REMOVER - FLUX REMOVER C, AEROSOL**

1,1,1,3,3-PENTAFUOROBUTANE

Yes

<table>
<thead>
<tr>
<th>16. Other information</th>
</tr>
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</table>

**Revision comments**  
NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date**  
2/22/2016

**Revision**  
33

**Supersedes date**  
2/22/2016

**SDS No.**  
AEROSOL - FRC

**SDS status**  
Approved.

**Hazard statements in full**  
- H225 Highly flammable liquid and vapor.
- H280 Contains gas under pressure; may explode if heated.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H336 May cause drowsiness or dizziness.
- H370 Causes damage to organs.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

**NFPA - health hazard**  
Irritation, minor residual injury. (1)

**NFPA - flammability hazard**  
Will not burn. (0)

**NFPA - instability hazard**  
Unstable if heated. (1)

**NFPA - special hazard**  
N/A

**ACA HMIS Health rating.**  
Slight Hazard. (1)

**ACA HMIS Flammability rating.**  
Will not burn. (0)

**ACA HMIS Physical hazard rating.**  
Unstable if heated. (1)

**ACA HMIS Personal protection rating.**  
A

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.