



30 Technology Drive, Suite 1J  
Warren, NJ 07059, USA  
Telephone: +1 732-764-0900

# SAFETY DATA SHEET

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## 1. Product Identification

<b>Name</b>	CyclaSolv® PFC100, CyclaSolv® PFC100-STD
<b>CAS Registry Number</b>	335-27-3
<b>Recommended Use</b>	Industrial use. R&D only.
<b>Company</b>	Chromis Technologies
<b>Physical Address</b>	30 Technology Drive, Suite 1J, Warren, NJ 07059, USA
<b>Telephone</b>	+1 732-764-0900

## 2. Hazard Identification

Causes skin irritation- If skin irritation occurs: Wash with plenty of soap and water. Get medical advice/ attention

Causes serious eye irritation- If eye irritation occurs: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

May cause respiratory irritation- If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/ eye protection/ face protection.

Take off contaminated clothing and wash before reuse.

## 3. Composition, Information or Ingredients

<b>Name</b>	Perfluoro 1, 3-dimethylcyclohexane	100%
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## 4. First Aid Measures

<b>General advice</b>	Move out of the dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers.

<b>Skin Contact</b>	Wash off with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
<b>Inhalation</b>	Move the person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Allow the victim to drink 2-4 cups of water. Call the Poison Control Center.

## 5. Fire Fighting Measures

<b>Extinguishing media</b>	Use water spray, dry chemical powder, polymer foam, or carbon dioxide.
<b>Special fire fighting procedures</b>	Wear self-contained breathing apparatus for firefighting if necessary.
<b>Unusual fire and explosion hazards / decomposition of product</b>	Releases toxic fumes of carbon oxides and hydrogen fluoride.

## 6. Accidental Release Measures

### Steps to be taken if material is spilled or otherwise released into the environment

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Prevent further leakage or spillage if safe to do so. Do not allow material to enter drains. If necessary, dike ahead of spill to prevent runoff into drains, sewers, or natural waterway or drinking supply.

If applicable, if a spill / release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the US at 1-800-424-8802.

Soak up using inert absorbent material and dispose it as hazardous waste. Keep in suitable, closed containers for disposal. Contaminated absorbent material may pose the same hazards as the spilled product. Follow local regulations.

## 7. Handling and Storage

Do not handle it until all safety precautions have been read and understood. Wear protective gloves and eye/face protection. Use only in well-ventilated areas. Avoid inhalation of vapor or mist. Avoid contact with skin, eyes, and clothing. Keep away from heat and open flames. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling.

Keep the container tightly closed. Store in a cool, dry, and well-ventilated place. Empty containers retain residue (powder and/or vapor) and can be dangerous. Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances (see Section 10.5).

## 8. Exposure Controls/ Personal Protection

Use only in well-ventilated areas. Provide local exhaust or a process enclosure ventilation system. Avoid contact with skin, eyes and clothing.

Wear safety glasses or chemical safety goggles and face shield. Provide an emergency eye wash station and quick drench shower in the immediate work area.

Handle with appropriate chemical-resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good

laboratory practices. Wash and dry hands.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection is not required. Where protection from nuisance levels of dust are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## **9. Physical and Chemical Properties**

<b>Appearance</b>	Colorless liquid
<b>Odor</b>	no data available
<b>Odor threshold</b>	no data available
<b>pH</b>	no data available
<b>Melting/freezing point</b>	no data available
<b>Initial boiling point/range</b>	103 °C @ 1mmHg
<b>Flash point</b>	> 109 °C
<b>Evaporation rate</b>	no data available
<b>Flammability (solid, gas)</b>	no data available
<b>Upper/lower flammability or explosive limits</b>	no data available
<b>Vapor pressure</b>	no data available
<b>Vapor density</b>	no data available
<b>Relative density</b>	1.861 g/cm <sup>3</sup> at 25 °C (77 °F)
<b>Solubility</b>	no data available
<b>Partition coefficient</b>	no data available
<b>Auto-ignition temperature</b>	no data available
<b>Decomposition temperature</b>	no data available
<b>Viscosity</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available

## **10. Stability and Reactivity**

<b>Conditions to avoid</b>	No data available
<b>Hazardous Decomposition Products</b>	Hazardous polymerization does not occur. Releases toxic fumes of carbon oxides and hydrogen fluoride.
<b>Incompatible materials</b>	Strong oxidizing agents

## **11. Toxicological Information**

<b>Acute toxicity</b>	May cause irritation of the respiratory tract, eyes, and skin.
<b>Skin corrosion/irritation</b>	No data available
<b>Eye damage/irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Eye damage/irritation</b>	No data available

## **12. Ecological Information**

No data available

## **13. Disposal Considerations**

<b>Product</b>	Dispose of in accordance with all applicable federal state and local regulations. Place in a chemical secured landfill or incinerate at 1200°C with a 2 second dwell time or at 1600°C with a 1.5 second dwell time. Offer surplus and non-recyclable solutions to a licensed disposal company.
<b>Contaminated packaging</b>	Empty containers retain residue and can be dangerous. Disposal must be made according to official regulations.

## **14. Transportation Information**

Not classified as hazardous for transport

## **15. Regulatory Information**

Adheres to all Federal, State, and local regulations.  
Not listed on TSCA Inventory. R&D only.

## **16. Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Chromis Technologies shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision Date: July 30, 2024