30 Technology Drive, Suite 1J
Warren, NJ 07059, USA
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SAFETY DATA SHEET

1. Product Identification

Name	CyclaSolv® PFC100, CyclaSolv® PFC100-STD
CAS Registry Number	306-98-9
Recommended Use	Industrial use. R&D only.
Company	Chromis Technologies
Physical Address	30 Technology Drive, Suite 1J, Warren, NJ 07059, USA
Telephone	+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

Name	Perfluoro 1, 2-dimethyl cyclohexane	100%

4. First Aid Measures

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

Skin Contact	Wash off with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation	Move the person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	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

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

Appearance	Colorless liquid
Odor	no data available
Odor threshold	no data available
pH	no data available
Melting/freezing point	no data available
Initial boiling point/range	103 °C @ 1mmHg
Flash point	> 109 °C
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	1.861 g/cm3 at 25 °C (77 °F)
Solubility	no data available
Partition coefficient	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

10. Stability and Reactivity

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

11. Toxicological Information

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

12. Ecological Information

No data available

13. Disposal Considerations

Product	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.
Contaminated packaging	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.

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