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MATERIAL SAFETY DATA SHEET

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Date Prepared 10/1/2010

NAME USED ON LABEL: **CYCLO-1400 Dimethiconol-Cyclomethicone (D5/D4) Blend**
CHEMICAL NAME: Decamethylcyclopentasiloxane / Octamethylcyclotetrasiloxane Dimethiconol
NFPA: HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%.
Decamethylcyclopentasiloxane	541-02-6	40-70
Octamethylcyclotetrasiloxane	556-67-2	30-60

PHYSICAL DATA

Boiling Point: >175°C
Freezing Point: (-44°C)
Specific Gravity: 0.955
Vapor Pressure, 25°C: 0.12kPa
Vapor Density (air=1): not determined
Solubility in water: 0.05mg/L
% Volatiles: not determined
Viscosity: 6,000cSt
Appearance & Color: Clear, nearly odorless liquid

FIRE & EXPLOSION DATA

Flash Point, PMCC: 56°C
Autoignition Temp: 400°C
Flammability Limits in Air: Lower limit: 0.75% Upper limit: 7.40%

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.
Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame. Liquid generates strong static charge when poured.

ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Cover spill with absorbent material. Transfer to a suitable container for disposal.

Recommended Disposal: May be incinerated. Alternately, absorb onto clay or vermiculite and dispose of absorbent material as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Vapors may cause immediate or delayed severe eye irritation. Liquid will cause severe conjunctivitis and corneal damage

Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates will irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Oral Toxicity: not determined

Chronic Toxicity: There are no known chronic effects related to this compound.

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.
SKIN: Flush with water, then wash with soap and water.
INHALATION: Move exposed individual to fresh air. Call a physician.
INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable in sealed containers in a cool place.
Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.
Incompatibility (materials to avoid): Bases can cause non-hazardous polymerization. Avoid contact with peroxides, oxidizing agents.
Hazardous decomposition products: Organic Acid Vapors.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.
Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor amine gas respirator.
Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.
Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research and industrial use only.
Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT

Shipping Name: Combustible Liquid, NOS
Hazard Technical Name: Cyclosiloxane
Hazard Class: Combustible liquid
UN/NA Number: NA1993
Packaging Group: III

Ocean Shipping (IMG)

SHIPPING NAME: Flammable Liquid, N.O.S.
Hazard Technical Name: Cyclosiloxane
Hazard Class: Class 3
UN Number: 1993
Hazard Label: Flammable Liquid
Marine Pollutant: NA

Air Shipment

Shipping Name: Flammable Liquid, NOS
Hazard Technical Name: Cyclosiloxane
Hazard Class: 3
UN Number: 1993
Packing Group: III
Hazard Label: Flammable Liquid

DOT LABELS: Not Required
DOT ID No: Not Required

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