



# MATERIAL SAFETY DATA SHEET

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

**UVOC766**  
**FLOW CONTROLLER**

North America:  
**NOR-COTE® INTERNATIONAL, INC.**  
506 Lafayette Avenue  
Crawfordsville, Indiana 47933 USA  
Phone: 765-362-9180 (day phone)  
MSDS Issuer: EHS Department  
**Emergency Phone (United States):**  
**800-424-9300**  
**CHEMTREC**

Europe:  
**NOR-COTE® INTERNATIONAL LTD.**  
Unit 8 Warrior Park, Eagle Close  
Chandlers Ford Industrial Estate  
Eastleigh, Hampshire  
SO53 4NF England  
Tel: +44 (0) 23 80270542 (day phone)  
**Emergency Phone (Outside U.S.):**  
**703-527-3887 CHEMTREC**

Asia:  
**NOR-COTE® INTERNATIONAL PTE. LTD.**  
Blk 4012 Ang Mo Kio Ave 10  
#05-08 Techplace 1,  
Singapore 569628  
Tel: +65 6291-0898 (day phone)  
**Emergency Phone (Outside U.S.):**  
**703-527-3887 CHEMTREC**

## SECTION 2 HAZARDOUS IDENTIFICATION

**EMERGENCY OVERVIEW:** Overall, this product is not a significant, immediate concern for Emergency Responders. It presents chronic risks of impaired fertility with overexposure by inhalation.

**APPEARANCE PHYSICAL STATE:** Amber liquid

**HMIS ® RATING:** Health - 1 Flammability - 2 Physical Hazard – 0 PPE – See section 8

### GENERAL HEALTH EFFECTS:

#### ACUTE:

- **Eye Contact:** Direct contact may cause temporary redness and discomfort.
- **Skin Contact:** No significant irritation expected from a single short-term exposure.
- **Inhalation:** No significant irritation expected from a single short-term exposure.
- **Ingestion:** Low ingestion hazard with normal use.

**CHRONIC:** Repeated or prolonged exposure may cause skin irritation. Overexposure by inhalation may injure the reproductive system.

**EC HAZARD SYMBOLS:** Not available

**EC RISK/SAFETY PHRASES:** Not available

This product contains ingredients listed below that are hazardous as defined in Title 29 CFR 1910.1200 and European Commission Directive 1999/45/EC and its subsequent amendments.

## SECTION 3 COMPOSITION / INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT BY WEIGHT	CAS#	EINECS#
Octamethylcyclotetrasiloxane	1-5%	556-67-2	209-136-7
Decamethylcyclopentasiloxan	1-5%	541-02-6	208-764-9

## SECTION 4 FIRST AID MEASURES

**SKIN CONTACT:** Flush skin with running lukewarm water. Wash affected areas using mild soap.

**EYE CONTACT:** Flush the eye and under lids with warm water for minimum of 15 minutes. Remove any contact lenses during the flushing. Get immediate medical attention if irritation persists.

**INHALATION:** Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration and get immediate medical attention.

**INGESTION:** Medical attention is not anticipated, but if appreciable quantities are swallowed, get medical attention.

## SECTION 5 FIRE FIGHTING MEASURES

**FLASHPOINT:** >153°F (>67.2°C)

**METHOD:** Penske-Martens Closed Cup

**FLAMMABLE/EXPLOSIVE LIMITS (Volume % in air):** Not established

**AUTO-IGNITION TEMPERATURE:** Not established

**EXTINGUISHING MEDIA:** Use chemical foam, dry chemical, or carbon dioxide (CO<sub>2</sub>) to extinguish flames. Water may be used to cool and protect fire-exposed containers.

**FIRE FIGHTING MEASURES:** Evacuate area of all non-emergency personnel. Fire fighters must wear full emergency equipment with self-contained breathing apparatus. Toxic fumes, gases, or vapors may evolve on burning such as silicon dioxide, carbon oxides



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and traces of incompletely burned carbon compounds. Over exposure to the products of combustion may result in respiratory irritation. Fight fires from upwind and cool intact containers with water spray or stream at maximum range.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Soak up spills with absorbent, non-combustible material and place it in labeled, closed containers for disposal as solid in accordance with Section 13. Wear recommended personal protective equipment from Section 8. For large spills, dike the area to prevent runoff from contacting public drains, sewers, or streams.

## SECTION 7 HANDLING AND STORAGE

**HANDLING:** Avoid any unnecessary contact with skin, eyes and clothing. Use protective clothing specified in Section 8.

**STORAGE:** Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding. Ensure that containers are properly secured prior to moving and closed during storage. Protect containers from physical damage.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local and general exhaust ventilation is recommended.

### EXPOSURE LIMITS:

HAZARDOUS INGREDIENT	CAS#	EXPOSURE LIMITS
Octamethylcyclotetrasiloxane	556-67-2	Manufacturer Guide: TWA 10 ppm
Decamethylcyclopentasiloxan	541-02-6	Manufacturer Guide: TWA 10 ppm

### PERSONAL PROTECTION EQUIPMENT:

**HAND PROTECTION:** Use gloves to minimize contact. Wash all affected areas prior to eating and at completion of handling.

**EYE PROTECTION:** Use safety glasses that are ANSI approved to prevent eye contact at a minimum. Eyewash availability is also recommended.

**SKIN PROTECTION:** Protective or disposable outer clothing is recommended.

**RESPIRATORY PROTECTION:** If adequate ventilation is not available, use a NIOSH approved respirators for dust is recommended where TLV is exceeded.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT (°C):** >65

**SPECIFIC GRAVITY (@ 25°C):** 1.036

**VAPOR DENSITY:** Not determined

**SOLUBILITY IN WATER:** Not determined

**FREEZING POINT:** Not determined

**VISCOSITY:** 310 cST

**VOLATILE CONTENT:** Not determined

**pH:** Not determined

## SECTION 10 REACTIVITY / STABILITY HAZARD DATA

**STABILITY:** This material is stable when used under normal conditions.

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBILITY:** Oxidizing material can cause a reaction.

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.

## SECTION 11 TOXICOLOGICAL INFORMATION

Chronic/carcinogenicity assay was conducted on both decamethylcyclopentasiloxane and octamethylcyclotetrasiloxane. From the results, it was determined that it would be unlikely that industrial, commercial or consumer uses of products containing these chemicals would result in significant risk to humans. However, good industrial hygiene practice minimizes inhalation exposure to any chemical. See exposure guidelines in Section 8.

Reproductive effects were evident in Octamethylcyclotetrasiloxane.

## SECTION 12 ECOLOGICAL INFORMATION



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No data available to determine the Environmental Toxicity or Fate. No determination has been made on ecological impact. However, it is recommended to prevent contamination of the environment with this product, i.e. soil, landfills, drains, sewers, surface waters.

## SECTION 13 DISPOSAL CONSIDERATIONS

When discarded, this material is regulated as a hazardous substance under RCRA 40 CFR 261. Characteristic Waste: Reactive D003  
Dispose of this product in accordance with all applicable local laws and regulations.

## SECTION 14 TRANSPORTATION INFORMATION

This product, in containers less than 119 gallons or 450 liters is not regulated nor classified as a hazardous material/dangerous good by United States Department of Transportation (DOT) and ICAO/IATA. Transport this product in accordance with all applicable laws and regulations.

## SECTION 15 REGULATORY INFORMATION

This Material Safety Data Sheet has been formatted to the best of our ability in accordance with American National Standards Institute (ANSI), European Communities (EC), and contains hazard criteria and all information required by the Canadian Controlled Products Regulation (CPR) in regard to this product.

### INTERNATIONAL REGULATIONS

#### **Chemical Inventory Status:**

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt.  
Canadian Domestic Substance List (DSL): All ingredients listed or exempt.  
Inventory of Existing Chemical Substances in China: All ingredients listed or exempt.  
European Inventory of Existing Chemical Substances (EINECS): All ingredients listed or exempt.  
Japanese Existing and New Chemical Substances (ENCS): Not determined  
Philippines Inventory of Chemicals and Chemical Substances (PICCS): Not determined

### U.S. FEDERAL REGULATIONS

**California Proposition 65 Right To Know (RTK):** This product is not regulated under the Safe Water and Toxic Enforcement Act of 1986 that requires listing of any chemicals that may cause cancer and/or birth defects or other reproductive harm: None Known

#### **Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:**

**Section 302 – Extremely Hazardous Substances (EHS):** None known

**Section 304 - CERCLA:** None Known

**Section 311/312 – Hazard Communication Standard (HCS):** This product is classified as a chronic, fire hazard.

**Section 313 – Toxic Chemical List (TCL):** None Known

**Toxic Substances Control Act (TSCA) Section 8(b) – Inventory Status:** All chemicals in this product are TSCA listed.

## SECTION 16 OTHER INFORMATION

**HMIS® ratings** are a registered trade and service mark of the National Paint and Coatings Association with the following scale:

* = Chronic health effect	PPE Index
4 = Severe Hazard	A = Safety Glasses
3 = Serious Hazard	B = Safety Glasses and Gloves
2 = Moderate Hazard	C = Safety Glasses, Gloves and Protective Apron
1 = Slight Hazard	D = Face Shield, Gloves and Protective Apron
0 = Minimal Hazard	E = Safety Glasses, Gloves and Respirator

#### **Definitions**

TWA – Time Weighted Average  
TLV – Threshold Limit Value  
STEL – Short Term Exposure Limit  
CAS# - Chemical Abstract Service Number  
NTP – National Toxicology Program  
PEL – Permissible Exposure Limit  
IARC - International Agency for Research on Cancer  
ANSI – American National Standards Institute

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**Disclaimer:** To the best of our knowledge, the product information contained herein is based upon data believed to be reliable, however Nor-Cote makes no warranty and disclaims any liability whatsoever for its accuracy or completeness. Since the actual use of the product is beyond our control, no guarantee expressed or implied, is made by Nor-Cote as to the effects of such uses nor does Nor-Cote assume liability arising out of the use of this product by others. It remains the responsibility of the user to ensure that the use of the product herein is in accordance with all applicable laws and regulations.