

# MATERIAL SAFETY DATA SHEET

FILE NO.: A

NAME OF PRODUCT : OC FIVE and OC SEVEN Oxygen Compatible Thread Sealer  
Lubricant and Vacuum Grease

MSDS DATE:10/05/05

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** OC Five and OC Seven  
**SYNONYMS:** Pipe Thread Sealer and Vacuum Grease  
**Ratermann Manufacturing, Inc.**  
601 Pinnacle Place  
Livermore, CA 94550  
Tel: 925-606-2949 Fax: 925-606-2945

**EMERGENCY: PHONE: 973-989-9220**

**CHEMICAL NAME:** Not Applicable  
**CHEMICAL FAMILY:** Mixture

**PRODUCT USE:** Thread Sealer / Vacuum grease

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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<b>INGREDIENT:</b>	<b>CAS NO.</b>	<b>% WT</b>
Polychlorotrifluoroethylene	9000-83-9	35-65
Polyteretrafluoroethylene	9002-84-0	25-55

## SECTION 3: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** Non-Hazardous under normal conditions of use.  
Thermal decomposition will generate Hydrogen Fluoride (HF), which is corrosive.

**ROUTES OF ENTRY:**

**EYES:** Contact with eyes can cause mechanical irritation.

**SKIN:** May cause irritation to extremely sensitive skin.

**INGESTION:** None known.

**INHALATION:** May cause respiratory irritation, if over heated.

**ACUTE HEALTH HAZARDS:** None known.

**CHRONIC HEALTH HAZARDS:** None known.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known.

## SECTION 4: FIRST AID MEASURES

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**EYES:**

Remove contact lenses if present. Flush eyes with cool, clean low-pressure water while lifting and lowering eyelids.  
Seek medical attention if excessive tearing, redness, or pain persists.

**SKIN:**

Wash exposed skin with soap and water.

**INGESTION:**

Try to induce vomiting. Seek medical help.

**INHALATION:**

If symptoms of irritation or discomfort are experienced, remove to fresh air. If thermal decomposition of product is suspected, seek emergency medical attention.

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## SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR, UPPER: N/A  
(% BY VOLUME) LOWER: N/A

FLASH POINT:

F: N/A

C:

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: N/A

C:

NFPA HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

HMIS HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

EXTINGUISHING MEDIA:

Water (spray, stream, fog) dry chemical CO2  
Use SCBA.

HAZARDOUS DECOMPOSITION PRODUCTS:

Fluoropolymers will degrade upon prolonged heating or in a fire, liberating Carbonyl Fluoride – a Hydrogen Fluoride (HF). This gas is toxic if inhaled or comes in contact with moist skin.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: Pick up spilled material with absorbent (vermiculite). Dispose of according to State and Federal laws. Spill area may be slippery use caution.

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: No special handling. Keep container closed when not using.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: None under normal conditions of use.

VENTILATION: None under normal conditions of use.

RESPIRATORY PROTECTION: None under normal conditions of use.

EYE PROTECTION: None under normal conditions of use.

SKIN PROTECTION: None under normal conditions of use.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None under normal conditions of use.

WORK HYGIENIC PRACTICES: Wash hands after using. Do not smoke before washing.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:**

White

**ODOR:**

No odor if stored properly.

**PHYSICAL STATE:**

Soft paste

**pH AS SUPPLIED:**

N/A

**BOILING POINT:**

F: 390°

C: 200°

**MELTING POINT:**

F: N/A

C:

**FREEZING POINT:**

F: N/A

C: 0

**SOLUBILITY IN WATER:**

Negligible

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## SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:** Stable

**CONDITIONS TO AVOID (STABILITY):** Heat, flames, thermal decomposition over 800°F.

**INCOMPATIBILITY (MATERIAL TO AVOID):**

Reacts with active metals like Sodium, Potassium, and amines including additives – Liquid Fluorine, Liquid Chlorine Trifluoride. Caution should be used with Aluminum and Magnesium under conditions of shear force as those found in threaded connections.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**

Thermal decomposition of this product will generate fluorocarbon gases, especially Terafluoethylene. Gases are harmful if inhaled in sufficient quantities.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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**TOXICOLOGICAL INFORMATION:**

No toxicology data is available for this product. Similar products have not exhibited acute toxicological effects.

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## SECTION 12: ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION:**

No ecotoxicological information is available for this information.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:**

It is the responsibility of the individual using this product to follow local, State and Federal regulation for the proper disposal of this product and containers.

**RCRA HAZARD CLASS:**

It is the responsibility of the user to determine if this material is a RCRA Hazardous Waste at the time of disposal.

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: N/A  
HAZARD CLASS: N/A  
ID NUMBER: N/A  
PACKING GROUP: N/A  
LABEL STATEMENT: N/A

### WATER TRANSPORTATION

PROPER SHIPPING NAME: N/A  
HAZARD CLASS: N/A  
ID NUMBER: N/A  
PACKING GROUP: N/A  
LABEL STATEMENTS: N/A

### AIR TRANSPORTATION

PROPER SHIPPING NAME: N/A  
HAZARD CLASS: N/A  
ID NUMBER: N/A  
PACKING GROUP: N/A  
LABEL STATEMENTS: N/A

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## SECTION 15: REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

All components are listed on TSCA section 8 (b)

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

No

311/312 HAZARD CATEGORIES:

No

313 REPORTABLE INGREDIENTS:

No

STATE REGULATIONS:

No

INTERNATIONAL REGULATIONS:

No

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION:

PREPARATION INFORMATION:

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