

MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT OC THREE PASTE Oxygen Compatible Thread Sealer

FILE NO.: A
MSDS DATE:10/05/05

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: OC THREE
SYNONYMS Pipe Sealer

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

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>
Water	7732-18-5	40-60
Polytetrafluoroethylene	9002-84-0	30-50
Titanium Dioxide Pigment	13463-67-7	01-05
Carboxy Vinyl Polymer	9003-01-4	.05-05

SECTION 3: HAZARDS IDENTIFICATION

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: No ill effects are expected.

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

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:

If conscious, drink three to four 8-ounce glasses of milk. Call physician.

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

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

HMS 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: None Hazardous. Scoop up material. Dispose of according to State and Federal laws. Spill area may be slippery use caution.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not store below 35°F (1.6°C)

OTHER PRECAUTIONS: Keep container closed when not using.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

APPEARANCE:

White

ODOR:

No odor if stored properly

PHYSICAL STATE:

Soft paste

pH AS SUPPLIED:

N/A

BOILING POINT:

F: N/A

C:

MELTING POINT:

F: N/A

C:

FREEZING POINT:

F: 32°

C: 0

SOLUBILITY IN WATER:

Yes

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

Stable

CONDITIONS TO AVOID (STABILITY):

Heat, flames, thermal decomposition over 800°F

INCOMPATIBILITY (MATERIAL TO AVOID):

None known, inert to practically all chemicals, water-soluble.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

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

SECTION 11: TOXICOLOGICAL INFORMATION

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

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No ecotoxicological information is available for this information.

SECTION 13: DISPOSAL CONSIDERATIONS

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

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

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

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

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

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