



MPT OC Five and OC Seven

Part Numbers MPT057, 058, 075, 076, 077 and 078

Safety Data Sheet

SECTION 1: Identification of substance/mixture and of the company/undertaking

1.1 Product Identifier

Product name: MPT OC Five and OC Seven

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of substance/mixture: thread sealant and lubricant

1.3 Details of the supplier of the safety data sheet

MPT Industries

6-B Hamilton Business Park

85 Franklin Road

Dover NJ 07801

Phone: 973-989-9220

Fax: 973-989-9234

1.4 Emergency Telephone Number

Emergency number: MPT Industries, 800-351-0605

SECTION 2: Hazards Identification

2.1 Health hazards:

Primary routes of entry include inhalation, ingestion, and skin contact.

Prolonged exposure may irritate the skin. High heat may cause thermal decomposition of PTFE polymer resulting in polymer fume fever/flu-like symptoms.

Medical conditions to avoid:

Eye contact: Wash with water repeatedly.

Skin contact: Wipe clean and wash thoroughly with soap and water.

Ingestion: Do not induce vomiting. Call a physician.

Inhalation: Expose to fresh air.

SECTION 3: Composition/information on ingredients

Substance/Mixture:

Polychlorotrifluoroethylene

CAS No. 9002-83-9

Weight% 40-60

Polytetrafluoroethylene

CAS No. 9002-84-0

Weight% 45-65

Silicondioxide Aerogel

CAS No. 686-11-44-9

Weight% .5-3

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: Wash exposed area thoroughly.

Eye Contact: Immediately flush eyes with plenty of water. Remove contact lenses.

Inhalation: Seek fresh air.

Ingestion: Contact a physician.

Section 5: Firefighting measures:

5.1 Extinguishing media

Not Combustible

5.2 Special hazardous arising from the substance or mixture

Under extreme conditions, thermal decomposition of PTFE polymer may occur. Protection from hydrogen fluoride fumes is required.

5.3 Advice for firefighters

Health: NFPA code 1, HMIS code 1

Flammability: limits in air by volume – not combustible

Reactivity: NFPA code 0, HMIS code 0

Personal protection: NFPA, code SCBA; HMIS, code B

Flashpoint: N/A

Flammability limits: N/A

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Material is not hazardous.

Section: 7 Handling and storage

7.1 Precautions for safe handling and storage

Do not smoke when handling.

7.2 Conditions for safe storage, including any incompatibilities

Do not store below 35° F (1.6° C)

Section 8: Exposure controls/personal protection

8.1 Control parameters

Use good housekeeping procedures.

8.2 Exposure controls

Wear chemically resistant gloves to avoid skin exposure and goggles for eye protection. No respiratory equipment is required at ambient temperatures. If exposed to high temperatures, wear self-contained breathing apparatus. Provide adequate ventilation, fresh air. Use mechanical means if needed.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: paste at room temperature

Appearance: White color

Odor: N/A

Solubility: Will disperse

Evaporation rate: water, slow

Melting point: N/A

Vapor pressure: <.01

Boiling point: Mixture

Specific Gravity: 2.0 (Water, 1.0)

Section 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under normal conditions.

10.2 Chemical Stability

Avoid temperatures above 250° F without adequate ventilation. The material will not polymerize.

10.3 Possibility of hazardous reactions

Avoid strong alkalis.

10.4 Conditions to avoid

Avoid high heat.

10.5 Incompatible materials

Avoid strong alkalis, chlorine and chlorine trifluoride.

10.6 Hazardous decomposition products

At 250° C (482° F) hydrogen fluoride fumes are released. At 650° C (1202° F), toxic carbonyl fluoride fumes are released. Above 650° C, the release of carbon tetrafluoride and carbon dioxide can be expected.

Section 11: Toxicological information

N/A

Section 12: Ecological information

N/A

Section 13: Disposal considerations

Dispose of in accordance with local, state provincial and federal regulations.

Section 14: Transport information

N/A

Section 15: Regulatory information

Non-hazardous material – N/A

Section 16: Other information

Date prepared: 09/04/2015