SAFETY DATA SHEET (SDS)

LOX-8 PASTE

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers:

Product name	**Lox-8 Paste**

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

Identified uses	**Thread Sealant**

1.3 Details of the supplier of the safety data sheet

Company	**Ratermann Manufacturing, Inc.** **601 Pinnacle Place** **Livermore, CA 94550**
Emergency phone	**201-825-8110**
Information phone	**800-264-7793**
Fax number	**201-825-7035**

2. Hazards Identification of the product

2.1 Signs and symptoms of exposure: PTFE polymer, when thermally decomposed, may cause polymer fume fever and flu-like symptoms.

Eyes: May cause irritation. Use goggles if contact is probable
Skin: May cause irritation to sensitive skin. Use protective garment when applicable
Ingestion: Contact a physician
Inhalation: Use a local exhaust if possible

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations Weight % GHS Classification Notes

Polychlorotrifluoroethylene
CAS Number 9002 83 9
Weight % 40 - 60

Polytetrafluoroethylene
CAS Number 9002 84 0
Weight % 40-60

Silicondioxide Aerogel
CAS Number 686 11 44 9
Weight % .5 - 2

Pigment Cobalt Titanate Green Spinel
CAS Number 68186 85 6
Weight % .5 - 5

4. First aid measures

4.1. Description of first aid measures

General	**In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person**
Inhalation	**Remove to fresh air**
Eyes	**Flush eyes with copious amounts of water**
Skin	**Remove by wiping and wash with soap and water**
Ingestion	**Contact a physician**

5. Fire-fighting measures

5.1. Extinguishing media

Incombustible

5.2. Special hazards arising from the substance or mixture
In extreme fire situation, protection from hydrogen fluoride fumes should be employed
Health: NFPA code 1, HMIS code 1
Flammability: NFPA code 1, HMIS code 1
Reactivity: NFPA code 0, HMIS code 0
Personal protection: HMIS, code B

5.3. Advice for fire-fighters
Flash point and method used: N/A
Flammability limits in air % by volume: Non-combustible

6. Accidental release measures

6.1. Non-hazardous. Disposal to conform with local, state and federal regulations

7. Handling and storage

7.1. Precautions for safe handling
Strictly enforce "No Smoking" rule for workers handling material

7.2. Conditions for safe storage, including any incompatibilities
Do not store below 35 degrees F (1.6 degrees C)

8. Exposure controls and personal protection

8.1 Use normal personal hygiene and good housekeeping. Use protective gloves.

8.2 Respiratory protection: If exposed to high temperature processing fumes, wear self-contained breathing apparatus.

Emergency first aid procedures: seek medical assistance for further treatment, observation and support if necessary.

9. Physical and chemical properties

Boiling point: mixture
Vapor pressure: <.01
Solubility in water: dispersible
Physical state at room temperature: paste
Specific gravity: H^20=1: CA 2.0
Melting point: N/A
Evaporation rate (butyl acetate=1): Less than 1
Appearance and Odor: green, odorless

10. Stability and reactivity

10.1. Chemical stability
Stable under normal circumstances.

10.2. Conditions to avoid
Temperatures above 250F without adequate ventilation. Will not polymerize.

10.3. Incompatible materials
Melted alkali metals, inter-halogen compounds

10.4. Hazardous decomposition products
HF, C12, Hydrogen Fluoride gas – Perfluorocarbon Olefins are evolved above 250 degrees C.
At 650 C (1202 F) COF_2 is the principal toxic product.
At above 650 C, major products are CF_4 and CO_2

11. Toxicological information

No toxicology data available

12. Ecological information

No ecological information is available

13. Disposal considerations

Waste disposal method: Land fill is preferred but disposal methods must conform with local, state and federal regulations.

14. Transportation information

Transport information: N/A

15. Regulatory information

Non-hazardous product: Not applicable

16. Other information

Date prepared: May 20, 2015