1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Product Name: **TriboSys 320X**
(3203, 3204, 3205, 3206, 3207)

Product Use: Lubricant

MANUFACTURER/DISTRIBUTOR:

Miller-Stephenson Chemical
55 Backus Ave,
Danbury, Conn. 06810 USA
(203) 743-4447

Emergency Phone Number:
(800) 424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture: Not classified as a hazardous substance or mixture according to 29 CFR 1910.1200.

Label elements:

Hazard Symbol: None
Signal word: None
Hazard Statements: None

Other hazards:
The thermal decomposition vapors of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco

3. INGREDIENTS

No hazardous ingredients

4. FIRST AID MEASURES

General Advice: When symptoms persist or in all cases of doubt seek medical advice.

Inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Eye: Rinse with plenty of water. If eye irritation persists, consult a specialist.

Skin: Wash skin with soap and water as a precaution. Get medical attention if symptoms occur.

Oral: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: Inhalation may provoke the following symptoms: Irritation, Lung edema. Eye contact may provoke the following symptoms: Blurred vision, Discomfort, Lachrymation. Skin contact may provoke the following symptoms: Irritation, Redness.

Note to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable **Method:** Pensky-Martens Close Cup

Decomposition Temperature: 300ºC

Suitable Extinguishing Media: Not applicable. Will not burn.

Unsuitable extinguishing media: Not applicable. Will not burn.

Special hazards: In fire conditions, exposure to combustion products may be a hazard to health.

Hazardou combustion products: Hydrogen fluoride, carbonyl fluoride, potentially toxic fluorinated compounds, aerosolized particulates, Carbon oxides.

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged container from fire area if is safe to do so. Evacuate area.

Special protective equipment: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions: Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material.
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

7. HANDLING AND STORAGE

Handling (Personnel): Avoid breathing vapors from overheated material. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. General industrial hygiene practice. Keep away from food and drink. Keep away from tobacco products. Wash hands and face before breaks and immediately after handling the product. Take care to prevent spills. Waste and minimize release to the environment.

Storage Conditions: No special storage conditions required. Keep container closed to prevent contamination. No decomposition if stored and applied as directed. Keep in properly labeled containers.

Materials to avoid: Do not store with strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

Personal protective equipment/Respiratory Protection: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Skin and hand protection: Skin should be washed after contact.

Eye Protection: Safety glasses.

Hygiene measures: Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity:	1.89 – 1.93 at 24°C/75°F
Appearance:	Grease
Color:	White
Odor:	None
pH:	7
Melting point/freezing point:	Melting point/range 320°C/608°F
Boiling point/boiling range:	No applicable data available
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Water solubility:	Insoluble
Partition coefficient: n-Octanol/water:	Not applicable.
Auto-ignition temperature:	No applicable data available
Decomposition temperature:	300°
Viscosity:	Not applicable.

10. STABILITY AND REACTIVITY

Reactivity: Not classified as a reactivity hazard.

Chemical Stability: Stable under normal conditions.

Possibility of hazardous Reactions: Can react with strong oxidizing agents. Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid: None known.

Incompatible Materials: Oxidizing agents.

Hazardous decomposition Products: Thermal decomposition products:
hydrofluoric acid
Carbonyl difluoride
Carbon dioxide
Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not classified based on available information.

Skin corrosion/irritation
Not classified based on available information.
Serious eye damage/eye irritation
Not classified based on available information.

Respiratory or skin sensitization
Skin sensitization
Not classified based on available information.
Respiratory sensitization
Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.
Carcinogenicity
Not classified based on available information.
None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.
Reproductive toxicity
Not classified based on available information.
STOT-single exposure
Not classified based on available information.
STOT-repeated exposure
Not classified based on available information.
Aspiration toxicity
Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available
Persistence and degradability
No data available
Bioaccumulative potential
No data available
Mobility in soil
No data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods-Product: In accordance with local and national regulations.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.
If not otherwise specified: Dispose of as unused product.

14. TRANSPORT INFORMATION

U.S. DOT
Not Regulated

IATA
Not Regulated

IMDG
Not Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA: On the inventory, or in compliance with the inventory.

16. OTHER INFORMATION

Restrictions for use: Do not use Miller-Stephenson materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided under a written contract that is consistent with our policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your Miller-Stephenson representative.

REVISION DATE: AUGUST 2018