

Materials Safety Data Sheet

29 CFR 1910.1200 (OSHA HazCom 2012)

Star Nanotech, LLC, North Carolina Company

Section 1. PRODUCT AND COMPANY IDENTIFICATION

Nano Oil and Micro Oil Lubricants for SN-20 and SN-40

Recommended use of the lubricants: Cars, Trucks, Bicycles, Trains, Planes, Small Engine and Large Engine Machinery, Gun Oil and Bicycle Chains

Details of the Supplier of MSDS: 1531 East Main Street, Mebane, NC 27302

Emergency Telephone Number: (336) 578-8663

Product Information Number: (336) 578-8663

Section 2. Hazard Identification

GHS Classification

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

GHS Label element

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

Other hazards

None Known

Section 3. Composition Information on Ingredients

Mixture of Inorganic Ceramic Nano and Micro Particles with Petroleum Solvents

Section 4. FIRST AID MEASURES

General advice: No hazards which require special first aid measures.

If inhaled: If breathed in heavily, move person into fresh air.

If symptoms persist: Call a physician.

In case of skin contact: First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

In case of eye contact: Remove contact lenses, wash thoroughly and protect unharmed eye.

If swallowed: Do not give milk or alcoholic beverages. If symptoms persist, call a physician.

Section 5. Firefighting measures

Suitable extinguishing media: Use extinguishing measures appropriate to local circumstances and the surrounding environment. Use water spray, foam, carbon dioxide and dry chemical. Product is compatible with standard fire-fighting agents. In the event of fire, wear self-contained breathing apparatus.

Section 6. Accidental release measures

Wear protective equipment and soak up with inert absorbent material and keep in suitable, closed containers for disposal.

Section 7. Handling and storage

Smoking, eating and drinking should be prohibited in the applications area.

Section 8. Exposure control and personal protection

General room ventilation should be adequate for normal conditions of use. No personal respiratory protective equipment is normally required.

Section 9. Physical and chemical properties

Physical State: liquid; Flash point >390F (199C); Vapor pressure: 1.333hPa (at 20C); Mass density: 0.918 g/cm³.

Section 10. Stability and reactivity

Reactivity: No decomposition if stored and applied as directed; Chemical stability: Stable and no polymerization;

Section 11. Toxicological Information

Acute oral toxicity: LD 50 above 16g/kg (Rat experiment); Acute dermal toxicity: LD 50 above 5g/kg (rabbit); Repeated exposure may cause skin dryness and irritation; No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Section 12. Ecological information

Toxicity to fish: LL 50 (Fish) above 100mg/l; Toxicity to algae: EL 50 (Algae, algal mat (Algae)) above 100mg/l.

Section 13. Disposable considerations

Dispose in accordance with all the applicable local, state and federal regulations

Section 14. Transport information

UD DOT- Road: Not dangerous goods; **CFR_Rail_C:** Not dangerous goods;
International Air Transport Association-Cargo: Not dangerous goods;
International Air Transport Association-Passenger: Not dangerous goods

Section 15. Regulatory Information

SARA 311/312 Hazards: No SARA Hazards; this material does not contain any chemical components established by SARA Title III, Section 313

Section 16. Summary Risk Information

NFPA: Flammability: Slight; **Instability:** Insignificant; **Health Risk:** Slight

HMISIII: Health Risk: Slight; **Flammability:** Slight; **Physical Hazard:** Insignificant