

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product: Solid Lubricants for bearings
General use: Lubricants for ball and roller bearings
Trade Name: SmartLUBE
Distributor: Bearing Distributors, Incorporated
8000 Hub Parkway
Cleveland, OH 44125
Phone: 1.216.642.9100
Fax: 1.216.642.9573

SECTION 2 – COMPOSITION/INGREDIENTS

SmartLUBE is a composite of natural graphite with organic binders and fiber filler.

Composition

Natural graphite
Binder

SECTION 3 – PHYSICAL DATA

Odor and Appearance:	odorless, black
Specific Gravity:	1.12 – 1.20
Boiling Point:	not applicable
Vapor Pressure:	not applicable
Vapor Density:	not applicable
Water Solubility:	insoluble

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flammable Limits:	not applicable
Extinguishing Media:	normal fire fighting techniques
Unusual Fire and Explosion Hazards:	none

SECTION 5 – STABILITY AND REACTIVITY

Stable for action by acids, alkalis and organic solvents.

Not stable for action to high oxidizers.

Heat-treating attack at temperatures above 220 degrees Celsius with gradual weight loss up to 25%.

Hazardous decomposition products: CO, CO₂, small amounts of other toxic fumes.

Polymerization: hazardous polymerization cannot occur.

SECTION 6 – HEALTH HAZARD DATA

Summary of risks: There is no experience with over exposure. Prolonged or repeated skin or eye contact may cause irritation.

Potential Health Effects:

Primary Entry Routes: Skin, eyes, inhalation at temperatures above 250C.

Target Organs: Skin, eyes, and respiratory passages at temperatures over 250C.

Acute Effects: Possible skin and eye irritation. Polymer fume fever and flu-like symptoms at temperatures above 250C due to thermal decomposition.

Medical Conditions: None known to be aggravated by long term exposure.

Chronic Effects: None known.

First Aid Measures:

Inhalation: Move to fresh air and refer to a physician for treatment.

Eye Contact: Wash. Contact physician if irritation persists.

Skin Contact: Wash with soap and water.

SECTION 7 – TOXICOLOGICAL INFORMATION

Toxicity Data: None. Not considered to be a hazardous material.

SECTION 8 – ECOLOGICAL INFORMATION

Environmental Fate and Effect: No data has been established for this product.

SECTION 9 – HANDLING, STORAGE, AND TRANSPORTATION

No unusual methods required.