



Section 1 – Product & Company Identification

Section 2 – Hazards Identification

This product is a white paste. Direct eye contact may cause short term irritation. Short term skin exposure is not expected to be irritating. Inhalation and ingestion are not anticipated routes of exposure during normal conditions of use.

- Eye

This product is not expected to cause eye irritation under normal conditions of use. Symptoms of eye irritation may result when direct contact occurs and may include redness, tearing and burning sensation.

- Skin

Short term skin contact is not expected to cause skin irritation. Prolonged or repeated direct exposure to the skin may result in symptoms of irritation and possibly dermatitis.

- Inhalation:

Inhalation may irritate mucous membranes and nasal passages. Overexposure may cause vomiting, diarrhea and drunk-like symptoms such as dizziness, blurred vision, loss of balance, slurred speech and narcosis. The inhalation of teflon vapors, fumes or dust may lead to temporary flu-like symptoms. However, the release of teflon in this product is unlikely except when heating above 500°F.

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- Ingestion:

Ingestion may cause vomiting, diarrhea and drunk-like symptoms such as dizziness, blurred vision, loss of balance, slurred speech and narcosis. In extreme cases, chronic ingestion may result in loss of consciousness and death.

- Potential Chronic Health Effects

Chronic ingestion may lead to kidney or liver damage.

- Medical Conditions Aggravated By Exposure:

No further data known.

- Carcinogenicity:

This product is not listed as a known or suspected carcinogen by IARC, OSHA or the NTP.

Section 3 – Composition / Information On Ingredients

Components listed in this section may contribute to the potential hazards associated with exposure to the concentrate. The product may contain additional non-hazardous or trade secret components.

<u>Component:</u>	<u>CAS #</u>	<u>% By Weight</u>
Calcium Carbonate	1317-65-3	35 – 45
Hydrocarbon Oils	64742-52-5	30 – 40
Teflon	9002-84-0	10 – 20
Titanium Dioxide	13463-67-7	5 – 10
Clays	68953-58-2	1 – 5

CARCINOGENIC COMPONENTS:

This product contains no carcinogens.

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Section 4 – First Aid Measures

EYE CONTACT:

Upon direct eye contact, hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Call a physician.

SKIN CONTACT:

Remove product from the skin by washing with a mild soap and water. Contaminated clothing should be removed to prevent prolonged exposure. If symptoms of exposure persist, contact a physician.

INHALATION:

If respiratory irritation or distress occurs, remove the individual to fresh air. If breathing is difficult, give oxygen. Contact a physician or other medical professional if irritation or distress persists.

INGESTION:

Dilute stomach contents with two glasses of water or milk. (NOTE: Do NOT give anything by mouth to an unconscious person.) Do not induce vomiting without medical supervision. If vomiting occurs spontaneously, keep airway clear. Seek medical attention.

NOTE TO PHYSICIANS:

No further data known.

Section 5 – Fire Fighting Measures

FIRE AND EXPLOSIVE PROPERTIES:

Flashpoint.....:	> 300°F
Flammability Limits	LEL - N/A
	UEL - N/A

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EXTINGUISH MEDIA:

In accordance with NFPA guidance, dry chemical, foam, water or CO2 fire extinguishers are all acceptable.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

The inhalation of teflon vapors, fumes or dust may lead to temporary flu-like symptoms.

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

Emergency responders in the danger area should wear bunker gear and self-contained breathing apparatus for fires beyond the incipient stage. See Section 8 of the MSDS for other PPE to be worn as conditions warrant.

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS:

Use personal protection recommended in Section 8.

ENVIRONMENTAL:

This material is a water pollutant. Do not let spilled or leaking material enter waterways.

CLEAN-UP MEASURES:

Important: As with any spill or leak, before responding, ensure that you are familiar with the potential hazards and recommendations of the MSDS. Appropriate personal protective equipment must be worn.

If possible, take up with sand, earth or other absorbing material. Transfer to an appropriate container for proper disposal.

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Section 7 – Handling And Storage

HANDLING:

As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. Prior to handling, consult Section 8 of this MSDS to evaluate personal protective equipment needs. Follow all other standard industrial hygiene practices.

Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers. Keep containers closed when not in use.

Product residue in empty containers is combustible but will not readily burn. Note, however, that excessive heating or cutting of empty containers may create an ignition source sufficient to start a fire.

STORAGE:

Protect product quality by storing indoors and away from extreme temperatures. Close all containers when not in use.

SPECIAL COMMENTS:

No further data known.

Section 8 – Exposure Controls / Personal Protection

EXPOSURE GUIDELINES:**Component**

Calcium Carbonate	ACGIH TLV:	10 mg / m3 (total dust)
	OSHA PEL:	5.0 mg / m3 (respirable dust)
Hydrocarbon Oil	ACGIH TLV:	5.0 / m3 (as mist)
	OSHA PEL:	N/A
Teflon	ACGIH TLV:	N/A
	OSHA PEL:	N/A
Titanium Dioxide	ACGIH TLV:	10 mg / m3 (total dust)
	OSHA PEL:	N/A
Clays	ACGIH TLV:	.1 mg / m3 (total dust)
	OSHA PEL:	30 mg / m3 (total dust)

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ENGINEERING CONTROLS:

Normal general ventilation is expected to be adequate. It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lowest practicable levels. Ventilation should, at a minimum, prevent airborne concentrations from exceeding any exposure limits.

The user may wish to refer to 29 CFR 1910.1000(d) (2) and the ACGIH "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices" (Appendix C) for the determination of exposure limits of mixtures. An industrial hygienist or similar professional may be consulted to confirm that the calculated exposure limits apply.

PERSONAL PROTECTIVE EQUIPMENT:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

- **Eye Protection**
Wear eye protection appropriate to prevent eye exposure. Chemical safety glasses with side shields are recommended.
- **Skin Protection**
Gloves are not normally needed during normal conditions of use. If health effects are experienced, oil or chemical resistant gloves such as butyl or nitrile are recommended.
- **Respiratory Protection**
No special requirements under ordinary conditions of use with adequate ventilation. A respirator may be worn to reduce exposure to vapors, dust or mist. Select a NIOSH/MSHA approved respirator appropriate for the type and physical character of the airborne material. A self-contained breathing apparatus is recommended in all situations where airborne contaminant concentration has not been confirmed to be below safe levels. Respirator use should comply with the OSHA Respirator Protection Standard found in 29 CFR 1910.134.
- **General Hygiene Considerations**
Wash thoroughly after handling.

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Section 9 – Physical And Chemical Properties

Physical Appearance.....: White Paste
Odor.: Mineral Oil
Physical State.....: Paste
Water Solubility.....: Insoluble
Specific Gravity.....: 1.50

Section 10 – Stability And Reactivity

STABILITY:

This product is stable.

CONDITIONS TO AVOID:

Do not use in lines carrying liquid oxygen. Avoid sources of ignition.

INCOMPATIBLE MATERIALS:

This product is incompatible with strong oxidizing agents.

DECOMPOSITION PRODUCTS MAY INCLUDE:

Thermal decomposition products are dependent on combustion conditions. A complex mixture of airborne solid, liquid, particulates and gasses may evolve when the material burns. Combustion by-products may include:

- oxides of carbon
- aliphatics
- hydrogen fluoride
- carbonyl fluoride

POSSIBILITY OF HAZARDOUS REACTIONS:

This product is not expected to polymerize

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Section 11 – Toxicological Information

EYE EFFECTS:

No further toxicological data known.

SKIN EFFECTS:

No further toxicological data known.

ORAL EFFECTS:

No further toxicological data known.

INHALATION EFFECTS:

No further toxicological data known.

OTHER:

No further toxicological data known.

Section 12 – Ecological Information

ECOTOXICOLOGICAL INFORMATION:

This product has not been evaluated for ecotoxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized wherever possible.

ENVIRONMENTAL FATE:

The degree of biodegradability and persistence of this product has not been determined.

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Section 13 – Disposal Consideration

WASTE DISPOSAL:

Ensure that collection, transport, treatment and disposal of waste product and containers complies with all applicable laws and regulations. Note that use, mixture, processing or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal whether the product is regulated as a hazardous waste.

Section 14 – Transportation Information

U.S. DOT HAZARDOUS MATERIAL INFORMATION:

Not DOT regulated.

Section 15 – Regulatory Information

FEDERAL REGULATIONS:

SARA 313:

This product contains NONE of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CLEAN WATER ACT:

This product contains hydrocarbon oils and is subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

CERCLA REPORTABLE QUANTITY:

Any components listed below have been assigned a reportable quantity (RQ) by the Federal EPA. Releases of the product into the environment that exceed the RQ for a particular component must be reported to the National Response Center at 1-800-424-8802.

None to report

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TOXIC SUBSTANCE CONTROL ACT:

The components of this product are listed on the TSCA Inventory.

OZONE DEPLETING SUBSTANCES:

This product contains no ozone depleting substances as defined by the Clean Air Act.

HAZARDOUS AIR POLLUTANTS:

Any components listed below are defined by the Federal EPA as hazardous air pollutants:

None to report

CANADA

DSL:

The components of this product are listed on DSL Inventory.

Section 16 – Other Information

NFPA RATING:

Health	Flammability	Reactivity	PPE
1	0	0	X

Prepared by:..... Ridge Tool Company

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