MATERIAL SAFETYDATA SHEET

DATE: *11/22/2012*

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Buck Tooth -Chisel Paste

PRODUCT DESCRIPTION: Chisel Paste

INTENDED USE: Lubricating Grease

COMPANY NAME: Beaver Research Company
ADDRESS LINE 1: 3700 E. Kilgore Rd.
ADDRESS LINE 2: Portage, Michigan
TELEPHONE NUMBER: 800-544-0133
EMERGENCY TELEPHONE: 866-573-8763

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	TLV/PEL (mg/M3)	Weight (%)
Calcium Sulfonate Thickener	Proprietary	NE	50 - 60 %
Mineral Oil	Mixture	NE	15 - 20 %
Graphite Powder	7782-42-5	NE	5 - 10 %

The specific chemical names & composition of the components not disclosed is confidential business information & is withheld as permitted by 29CFR 1910.1200 and various Right-to-Know laws. This product is not a WHMIS Controlled Substance.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

This material is not considered to be hazardous according to regulatory guidelines. (See Section 15)

POTENTIAL HEALTH EFFECTS

Excessive exposure may result in eye, skin or respiratory irritation. Low order of toxicity.
High-pressure injection under skin may cause serious damage.

NFPA Rating: Flammability: 1, Reactivity: 0, Health: 1
HMIS Rating: Flammability: 1, Reactivity: 0, Health: 1

NOTE: This material should not be used for any other purpose than the intended use listed in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks, which may vary from person to person.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush with large quantities of cool water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Wash off with soap and water.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

INGESTION: Do NOT induce vomiting. Get medical attention.

NOTES TO PHYSICIAN: High pressure injection under the skin may have serious consequences & may require urgent treatment.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Appropriate Extinguishing Media: Water Spray (fog), dry chemical, foam, halon, or carbon dioxide.
Inappropriate Extinguishing Media: Water stream may splash burning liquid and spread fire.

FIRE FIGHTING: Procedure: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Fire fighters should use self-contained breathing apparatus (SCBA) to fight fires. Use water spray to cool fire exposed surfaces and to protect personnel.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, Fume, Sulfur oxides, oxides of carbon.

FLAMMABILITY PROPERITES

Flashpoint (Cleveland Open Cup): 455°F
Flammable Limits (Approximate volume% in Air): LEL: NA UEL: N/A
Auto-ignition Temperature: N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURE: Contain any spills with absorbents to prevent migrations and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.

SPILL MANAGEMENT: ***Land Spill:*** Contain any spills with absorbents to prevent migrations and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.

Water Spill: Confine the spill immediately with booms. Stop leak, if you can do so without risking personal safety. Report spills as required to appropriate authorities. Remove from the surface by skimming or with suitable absorbents.

ENVIRONMENTAL PRECAUTIONS: Large spills should be diked for later recovery or disposal. Spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil. To the best of Grease Warehouse knowledge, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for the toxicity characteristic via the Toxicity Characteristic Leaching Procedure. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid contact with skin. Prevent spills and leaks to avoid slipping hazards.

STORAGE: Keep containers sealed until ready for use. Avoid excessive long-term storage temperatures to prolong shelf life. Maximum storage temperature: 120F. Store in well ventilated areas.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Exposure limits/standards for materials that can be formed when handling this product: When mists/aerosols can occur, the following are recommended: 5 mg/m3 – ACGIH TLV, 10mg/m3 – ACGIH STEL, 5 mg/m3 – OSHA PEL

ENGINEERING CONTROLS

The level of protection and types of control necessary will vary depending upon potential exposure conditions. Under normal conditions, no special control required when used in a well-ventilated area with local exhaust ventilation.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection: None required in normal use. Use only NIOSH/MSHA Organic vapor approved equipment if necessary.
Hand Protection: Chemical resistant gloves are recommended. No protection is required in normal use.
Eye Protection: Goggles or safety glasses with side shields are recommended.
Skin & Body Protection: Chemical / oil resistant clothing if contact with material is likely. NO skin protection is ordinarily required under normal conditions of use.
Special Hygiene Measures: Practice good personal hygiene. Wash hands after use and handling.

ENVIRONMENTAL CONTROLS

See Section 6, 7, 12, 13.

SECTION 9: PHYSIAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE:	Semi-Fluid Gel (Grease)
COLOR:	N/A
ODOR:	Mild/Faint - Petroleum
SOLUBILITY DESCRIPTION:	Insoluble in water
DENSITY: 0.96	0.96
TEMPERATURE (°C):	15.6 (60°F)
VAPOR DENSITY (air=1):	> 5
VAPOR PRESSURE:	< 0.1 mmHg
TEMPERATURE (°C):	20 (68°F)
EVAPORATION RATE:	< 1
pH-VALUE, CONC. SOLUTION:	N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Normally stable
CONDITIONS TO AVOID:	Avoid contact with acids and oxidating substances.
HAZARDOUS POLYMERIZATION:	Will not occur
POLYMERIZATION DESCRIPTION:	Not applicable
HAZARDOUS DECOMPOSITION PRODUCT:	Oxides of carbon sulfur

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Product or Ingredients: No data is specifically available for this product and therefore this toxicological information is based on data available for the ingredients.

Routes of Exposure: Exposure will most likely occur through skin contact or form inhalation of mechanically or thermally generated oil mists.

Skin and Eye: This product is not a primary skin irritant after exposure of short duration, is not a skin sensitizer and is not irritating to the eyes.

CHRONIC/OTHER EFFECTS

Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis. Long term intensive exposure to oil mist may cause benign lung fibrosis.

The following ingredients are cited on the lists below: None

NTP CARC, NTP SUS, IARC 1, IARC 2A, IARC 2B, OSHA CARC

This material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by OSHA Hazard Communication Standard 29CFR 1910.1200, IARC, or the National Toxicology Program (NTP) at a concentration greater than 0.1%.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:	There is no ecological data on the product itself.
ECOTOXICITY:	Material – Not expected to be harmful to aquatic organisms.
MOBILITY:	Base oil component – Low solubility and float and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

PERSISTENCE AND DEGRADABILITY

BIODEGRADATION: N/E

An enviromental fate analysis is not availablefor this specific product. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricanting oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natual atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state, and federal regulations.

DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

REGULATORY DISPOSAL INFORMATION

To the best of Beaver Research Company knowledge, this product is not regulated by CERCLA/RCRA as a hazardous waste or material. However, this product has not been tested for the toxicity characteristic via the Toxicity Characteristic Leaching Procedure.

Empty Container Warning: Do not attempt to refill or clean containers since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum re-conditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 14: TRANSPORT INFORMATION

LAND-DOT: Not Regulated for Land Transportation
LAND-TDG: Not Regulated for Land Transportation
SEA-IMDG: Not Regulated for Sea Transport
AIR-IATA: Not Regulated for Air Transport

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communication Standard: When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

WHMIS: Not a controlled product

Chemical Inventory Listing: TSCA, CEPA

EPCRA: This material contains no extremely hazardous substances.

SARA (311/312) Reportable Hazards: None

SARA (313) Toxic Release Inventory: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program

TSCA: This material is in compliance with the Toxic Substances Control Act (15USC2601-2629)

CEPA: All components of this product are either on the Domestic Substance List (DSL) or are exempted.

SECTION 16: OTHER INFORMATION

NE = Not Established, ND = Not Determined, NA = Not Applicable

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS: No Revision information is available.

REVISION DATE: 12/12/2012
SUPERSEDES: Any previous versions
PREPARED BY: Denice Miranda (Quality Control Document Administer)

DISCLAIMER

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