MATERIAL SAFETY DATA SHEET

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Date Prepared: 4/15/03

1. PRODUCT IDENTIFICATION
   PRODUCT NAME: CS 7020-000
   SYNONYMS: 70206; 16B4F, 16B1AX
   CHEMICAL FAMILY: Proprietary
   PRODUCT USE: Metalworking Lubricant

2. PRECAUTIONARY INFORMATION
   Non-hazardous under normal conditions of use. This product is non-hazardous as defined by the OSHA
   Hazard Communication Standard.

3. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION
   COMPONENTS OSHA OSHA ACGIH ACGIH CAS # %
   PEL TWA TLV-TWA TLV-STEL

   This Material Safety Data Sheet has been prepared under guidelines in OSHA Hazard Communication Standard 29
   No known hazardous ingredients present in product. Exposure limits not established.
   Product is not hazardous per Workplace Hazardous Materials Information System (WHMIS).
   NTP, IARC, and OSHA list none of the components of this product at concentrations greater than or equal to 0.1% as
   a carcinogen or potential carcinogen.

4. HEALTH HAZARD DATA
   EYE: Excess exposures may result in mild transient irritation.
   SKIN: Excess exposures may cause skin irritation in some individuals.
   INHALATION: Not an expected route of exposure.
   SYMPTOMS OF EXPOSURE: No persistent adverse health effects are known to be associated with exposure to
   this product.
   PRIMARY ROUTES OF ENTRY: Occupational exposure most likely to occur through skin contact.

5. FIRST AID MEASURES
   SKIN: Wash off with plenty of soap and water.
   EYE: Flush with large amounts of water. If any irritation persists, get medical attention.
   INGESTION: Remove material from mouth. Drink plenty of water. If large amount swallowed or symptoms
   develop, get medical attention.
   INHALATION: Remove to fresh air.

6. EXPOSURE CONTROLS / PERSONAL PROTECTION
   ENGINEERING MEASURES: Depending on the concentration in air, ensure ventilation or local exhaust
   especially for enclosed space.
   HYGIENE MEASURES: Good industrial hygiene should be followed.
   OCCUPATIONAL EXPOSURE LIMITS: No occupational exposure limits have been established.
   PERSONAL PROTECTIVE EQUIPMENT: Normal precautions should be observed. If repeated or prolonged skin
   contact is likely, impervious gloves are recommended.

7. PHYSICAL / CHEMICAL PROPERTIES
   PHYSICAL STATE: Solid COLOR: White
   BOILING POINT: Not determined
   VAPOR PRESSURE: <0.1 mm Hg @ 20 C
   SPECIFIC GRAVITY: ~0.84 g/ml @ 25 C
   SOLUBILITY IN WATER: Insoluble
   ODOR: None
   MELTING POINT: ~110 F (43 C)
   VAPOR DENSITY: Heavier than air
   DENSITY: ~7.0 lb/gal
   VOC CONTENT: Not volatile

8. STABILITY / REACTIVITY
   STABILITY: Stable under normal conditions.
   HAZARDOUS POLYMERIZATION: Will not occur.
   HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will evolve oxides of carbon.
   MATERIALS TO AVOID: Oxidizing agents.
9. **FIRE / EXPLOSION DATA**
FLASH POINT: > 330 F (165 C) (COC)
AUTOIGNITION TEMPERATURE: Not Available.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None expected.
EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water spray.
SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied breathing equipment for enclosed areas. Water or foam may cause frothing which can be violent, especially if sprayed into containers of hot burning liquid.

10. **SPILL / LEAK PROCEDURES**
Recover free product. Contain any spill to prevent entry to sewers or streams. Add sand, earth or suitable absorbent to spill area. Transfer to closed container.

11. **WASTE DISPOSAL METHODS**
Not classified as a hazardous waste under RCRA in its purchased form. It is the responsibility of the product user to determine at the time of disposal, whether the material being disposed of is a hazardous waste (40 CFR 261.20-24).
Dispose of in accordance with local, state and federal laws.

12. **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**
Store in closed containers away from heat or open flames. Do not store with oxidizing agents. Not for internal use. Empty containers may contain product residue. Do not cut, heat or weld on or around empty containers. Avoid freezing temperatures.

13. **TOXICOLOGICAL INFORMATION**
ACUTE TOXICITY: Oral LD$_{50}$ greater than 20 g/kg (rats) - Non-toxic.
SKIN IRRITATION: Non-irritant (rabbits)
EYE IRRITATION: Non-irritant (rabbits)
SKIN SENSITIZATION: Not a sensitizer.
MUTAGENICITY: Ames test - Negative (Non-mutagenic)

14. **ECOLOGICAL INFORMATION**
BIODEGRADATION: Biodegradable (expected to exhibit greater than 70% degradation within 28 days in the Modified Sturm test).
ECOTOXICITY: Not determined as a whole, however, this product is not expected to cause harm to aquatic organisms.

15. **REGULATORY INFORMATION**
This product does not contain a SARA Title 3 Section 313 (40 CFR 372) reportable chemical.
This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.
CALIFORNIA PROPOSITION 65: No reportable components.
INVENTORY STATUS: This product contains only chemicals that are currently listed on:
USA - TSCA; Australia - AICS; EU - EINECS; Canada - DSL; Korea - ECL; Japan - ENCS; Philippines - PICCS; and China - SEPA.

16. **TRANSPORTATION INFORMATION**
D.O.T. CLASSIFICATION: Not regulated.

17. **OTHER INFORMATION**
This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of The Orelube Corporation. The Orelube Corporation assumes no legal responsibility for the use or reliance upon this data.
Please note that the chemical identity of some or all of the ingredients that may or may not be listed herein is confidential business information and is being withheld as permitted by 29 CFR 1910.1200 and various State Right-to-Know Laws.
The ingredients in this product are safe as cosmetic ingredients in the present practices of use.