**SECTION I**

**PRODUCT NAME**
ANTI-SEIZE HI-TEMPERATURE THREAD COMPOUND

**BOWMAN PART NO.**
21961, 21962

**SUPPLIER**
Bowman Distribution, Barnes Group Inc.

**EMERGENCY TELEPHONE NO.**
(216) 391-7200

**ADDRESS**
850 East 72nd Street, Cleveland, OH 44103

**DATE**
1/25/88

**HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101)**
Non-hazardous, not restricted. Shipping name: Lubricating Grease N.O.S.

**ADDITIONAL HAZARD CLASSES (as applicable)**
Not applicable

**CHEMICAL FAMILY**
Not applicable - mixture

**FORMULA**
Not applicable - mixture

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**SECTION II - HAZARDOUS INGREDIENTS**

<table>
<thead>
<tr>
<th>CAS REGISTRY NO.</th>
<th>%W</th>
<th>%V</th>
<th>CHEMICAL NAME(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>This product contains no ingredients considered hazardous per the U.S. Dept. of Labor, OSHA Hazard Communications Law 29 and CFR 1910.1200 criteria.</td>
</tr>
</tbody>
</table>

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**SECTION III - PHYSICAL DATA**

<table>
<thead>
<tr>
<th>BOILING POINT</th>
<th>SPECIFIC GRAVITY (H₂O = 1)</th>
<th>VAPOR PRESSURE</th>
<th>PERCENT VOLATILE BY VOLUME (%)</th>
<th>PERCENT SOLID BY WEIGHT (%)</th>
<th>VAPOR DENSITY (AIR = 1)</th>
<th>EVAPORATION RATE (e = 1)</th>
<th>SOLUBILITY IN WATER</th>
<th>APPEARANCE AND ODOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>~500 °F</td>
<td>~260 °C</td>
<td>Negligible</td>
<td>nil</td>
<td>40</td>
<td>N.A.</td>
<td>N.A.</td>
<td>Insoluble</td>
<td>Copper colored paste, slight petrolatum odor.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MATERIAL IS: PASTE</td>
</tr>
</tbody>
</table>

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<table>
<thead>
<tr>
<th>FLASH POINT</th>
<th>method used</th>
<th>FLAMMABLE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>310 °F</td>
<td>C.O.C.</td>
<td>LEL</td>
</tr>
<tr>
<td>154 °C</td>
<td></td>
<td>UEL</td>
</tr>
</tbody>
</table>

**EXTINGUISHING MEDIA**
Use CO₂, foam, dry chemical or water fog.

**SPECIAL FIRE FIGHTING PROCEDURES**
Use eye protection. Do not direct water directly into fire. Wear self-contained breathing apparatus when fire fighting in confined areas.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**
None except as for petroleum grease fires.
SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - Conditions to avoid
Non expected. Toxicological studies indicate product is nonirritating to skin
or eyes, and is nontoxic by ingestion (acute LD₅₀ rats >5 gm/Kg).

THRESHOLD LIMIT VALUE None listed
PERMISSIBLE EXPOSURE LIMIT
OTHER LIMIT None listed

PRIMARY ROUTES OF ENTRY Inhalation X Skin Contact X Other (specify)
Not applicable

EMERGENCY AND FIRST AID PROCEDURES
In eyes - flush with tepid water 15 minutes, holding eyelids apart. Get medical attention. Skin - wash with soap and water.
Ingestion - large amounts may result in diarrhea. Get medical attention and treat symptomatically.

SECTION VI - REACTIVITY DATA

STABILITY
UNSTABLE CONDITIONS TO AVOID
None
STABLE X

INCOMPATIBILITY (materials to avoid)
Strong oxidizing agents (i.e., peroxides, permanganates, nitric acid).

HAZARDOUS DECOMPOSITION PRODUCTS:
CO, CO₂, and incompletely burned hydrocarbons may result from pyrolysis, etc.

HAZARDOUS POLYMERIZATION
MAY OCCUR CONDITIONS TO AVOID
None WILL NOT OCCUR X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Scoop, mop up or absorb on inert absorbent material. Complete clean up using detergent and water or chlorinated solvent
with adequate ventilation.

WASTE DISPOSAL METHOD
Use controlled incineration or bury in posted landfill in accordance with federal, state and local regulations.

CERCLA (Superfund) REPORTABLE QUANTITY (in lbs)
Not applicable

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)
Not applicable

VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water)
Not applicable. Product is essentially non-volatile.

☐ Theoretical _______ lb/gal N.A.
☐ Analytical _______ lb/gal N.A.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)
None necessary in normal use.

VENTILATION
LOCAL EXHAUST (specify rate) SPECIAL
Acceptable (50 f.p.m.) None
MECHANICAL (general) (specify rate) OTHER
Acceptable (50 f.p.m.) None

PROTECTIVE GLOVES (specify type)
None required.

EYE PROTECTION (specify type)
Sufficient to prevent contact.

OTHER PROTECTIVE EQUIPMENT
None required.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Use normal storage and handling. Do not expose to high heat, open flames or strong oxidizers.

OTHER PRECAUTIONS
Contains hydrocarbon — do not use in oxygen service. Keep out of reach of children.