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PRODUCT: Anti-Seize Compound-9070, 9071, 9072

MSDS ID: ND3555
ORIG. DATE: 6/01/93
REV. DATE: 2/3/06
REV. DATE: 4/21/09

PREPARED BY: Chemical Safety

SECTION I -Material Identification and Information H: 1 F: 1 R: 0 PPE:C

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Mineral oil	AS-00-76	64741-88-4 65-70	5 mg/m ³	5 mg/m ³	as mist
Lithium Soap	AS-00-75	4485-12-5 5-15	n.e.	2 mg/m ³	as dust
Graphite	AS-00-134	7782-42-5 1-10	n.e.	2 mg/m ³	as dust
Silica (amorphous, fumed)	AS-00-78	112945-52-5 1-10	n.e.	n.e.	6 mg/m ³ total dust
9070 also contains:					
Copper	AS-00-133	7440-50-8 10-15	1 mg/m ³	1 mg/m ³	
Aluminum	AS-00-135	7429-90-5 5-15	15 mg/m ³	15 mg/m ³	as dust as dust
9071 also contains:					
Copper	AS-00-133	7440-50-8 10-25	1 mg/m ³	1 mg/m ³	as dust
9072 also contains:					
Aluminum	AS-00-135	7429-90-5 <10	15 mg/m ³	15 mg/m ³	
Nickel	AS-00-137	7440-02-0 <10	1 mg/m ³	1 mg/m ³	as dust as dust

All ingredients are listed on the TSCA Inventory. n.a.= not applicable / n.e.=not established

SECTION II -Physical and Chemical Characteristics

BOILING POINT:	Not determined	VOC #/US gal. :
VAPOR DENSITY:	Not determined air = 1	DENSITY OF COATING:
VAPOR PRESSURE:	Not determined	
MELTING POINT:	n.a.	
SPECIFIC GRAVITY:	> 1.0 water = 1	
EVAPORATION RATE:	Not determined	
WATER REACTIVE:	No	
SOLUBILITY IN WATER:	Negligible	
APPEARANCE AND ODOR:	Viscous copper colored grease with slight petroleum odor.	

SECTION III - Fire and Explosion Hazard Data

FLASH POINT: > 350°F COC
AUTOIGNITION TEMPERATURE: Not determined
FLAMMABILITY LIMITS % IN AIR: LEL: Not determined UEL: Not determined
EXTINGUISHER MEDIA: Use carbon dioxide, foam, and/or dry chemical.

SPECIAL FIREFIGHTING PROCEDURES: Wear NIOSH self contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode when fighting fires. Cool fire exposed containers with water.

UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID: Potential toxic fumes upon combustion.

MATERIAL SAFETY DATA SHEET

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SECTION IV - Reactivity Hazard Data

STABILITY: **stable:** **unstable:**
HAZARDOUS POLYMERIZATION: **may occur:** **will not occur:**

CONDITIONS TO AVOID: Avoid conditions exceeding 200°F.

INCOMPATIBILITY: None.

HAZARDOUS DECOMPOSITION PRODUCTS: Potential toxic fumes upon combustion.

SECTION V - Health Hazard Data

PRIMARY ROUTES OF ENTRY: **INHALATION:** **INGESTION:** **SKIN ABSORPTION:**

EYE CONTACT: Contact with eye may cause irritation.

FIRST AID: Flush with generous amounts of water for 15 minutes lifting both upper and lower eyelids occasionally. Get medical attention.

SKIN CONTACT: prolonged skin contact may cause irritation.

FIRST AID: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.

INHALATION: As provided not a likely hazard. Thermal decomposition can release toxic fumes.

FIRST AID: Remove individual to fresh air, seek medical attention.

INGESTION: Ingestion of this material could be harmful.

FIRST AID: Do not induce vomiting. Keep individual calm, get medical attention.

CHRONIC EFFECTS: Unknown

Carcinogenic: Not listed

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Mineral Oil	not determined	not determined	not determined
Lithium Soap	not determined	not determined	not determined
Graphite	not determined	not determined	not determined
Silica (amorphous, fumed)	not determined	not determined	not determined
Copper	not determined	not determined	not determined
Aluminum	not determined	not determined	not determined
Nickel	not determined	not determined	not determined

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: Work in a well ventilated area.

PROTECTIVE GLOVES: Use vinyl or rubber.

EYE PROTECTION: Wear approved chemical safety glasses.

VENTILATION TO BE USED: LOCAL EXHAUST: MECHANICAL: SPECIFIC: OTHER (specify):

PROTECTIVE CLOTHING AND EQUIPMENT: Wear impervious clothing to prevent repeated or prolonged skin contact.

HYGIENIC WORK PRACTICES: Practice good personal hygiene, and wash hands after using product.

SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Absorb material on inert filler, vermiculite, floor absorb, or other absorbent material. Transfer to ventilated area and dispose of properly.

WASTE DISPOSAL METHODS: Dispose of material in accordance with local, state, and federal regulations.

SAFE HANDLING AND STORAGE: Wear impervious clothing to prevent prolonged, repeated exposure. Keep product container sealed when not in use. Containers of this product may be hazardous when emptied, since containers retain product residue. Observe all precautions.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

n.a.

RECOMMENDED NFPA/HMIS RATING

HEALTH 1

FLAMMABILITY 1

REACTIVITY 0

PERSONAL PROTECTION C

note: ratings may differ according to application, environment, and physical state.

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NOTES:

Shipping Information:

DOT: Not Regulated
RQ 5000 lb. (copper)

ICAO/IATA: Not Regulated

IMO/IMDG: ND9072 Nickel Anti-Seize: Not Regulated
ND9071 and ND9070:

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (Copper)

Hazard Class: 9

Identification Number: UN3082

Packing Group: III

Marine Pollutant: Copper

Revised 4/21/09 - Update shipping information.

SECTION 313 SUPPLIER NOTIFICATION

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>% BY WEIGHT</u>
7440-50-8	Copper 9070	<15
	Copper 9071	<25
7440-02-0	Nickel	<10

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

<u>Material</u>	<u>CAS #</u>	<u>Concentration %</u>	<u>Cancer Agent</u>	<u>Reproductive Toxin</u>	<u>cancer agent & Reproductive Toxin</u>
Nickel	7440-02-0	4.6	X		

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