



6643 42ND TERRACE NORTH, WEST PALM BEACH, FLORIDA 33407
TELEPHONE (407) 845-2425

FAX: (407) 845-2504

MATERIAL SAFETY DATA SHEET

DATE: 8/18/87
PAGE: 1

13010 BRAVO

I. PRODUCT IDENTIFICATION

PRODUCT NAME: VersaChem Anti-Seize & Thread Lubricant *P/A 13010*

PART NO.: 13-1C
13-10

PRODUCT TYPE: LUBRICANT

II. COMPOSITION

INGREDIENTS	% BY WT.	HAZARD
LITHIUM GREASE	60-65	
GRAPHITE	<5	TLV = 5MG/M3 (T)
COPPER	30-35	TLV = 1MG/M3***
SILICON DIOXIDE	<5	TLV=10MG/M3 (T)

INHALATION OF GRAPHITE DUST HAS BEEN SHOWN TO CAUSE PULMONARY EFFECTS
IT HAS ALSO BEEN SHOWN TO CAUSE REPRODUCTIVE EFFECTS IN EXPERIMENTAL
ANIMALS BY INJECTION BENEATH THE SKIN.

***COPPER HAS BEEN SHOWN TO CAUSE TUMORS IN EXPERIMENTAL ANIMALS BY
IMPLANTATION BENEATH THE SKIN AND REPRODUCTIVE EFFECTS BY HIGH DOSE
INGESTION.

***INHALATION OF SILICON DIOXIDE DUST HAS BEEN SHOWN TO CAUSE
PULMONARY EFFECTS.

IT IS OUR BEST TECHNICAL JUDGEMENT THAT WITH PROPER PRECAUTIONS NORMAL
USE OF THIS PRODUCT POSES NO SUCH HAZARDS.

III. CHEMICAL AND PHYSICAL PROPERTIES

VAPOR PRESSURE: NOT DETERMINED
VAPOR DENSITY: NOT APPLICABLE
SOLUBILITY IN WATER: NEGLIGIBLE
COLOR: GRAY GREASE

SPECIFIC GRAVITY: 1.16 @ 75 DEG. F
BOILING POINT: > 300 DEG. F
PH: DOES NOT APPLY
ODOR: PETROLEUM

IV. TOXICITY AND HEALTH HAZARD DATA

TOXICITY:
RELATIVE TOXICITY AND HEALTH HAZARD DATA

TLV: NONE ESTABLISHED
 SYMPTOMS OF OVEREXPOSURE:
 PROLONGED OR REPEATED CONTACT MAY CAUSE SOME IRRITATION.

EMERGENCY TREATMENT PROCEDURES:

INGESTION:
 INDUCE VOMITING. OBTAIN MEDICAL ATTENTION

INHALATION:
 DOES NOT APPLY

SKIN CONTACT:
 WASH WITH SOAP AND WATER.

EYE CONTACT:
 FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION

PERSONAL PROTECTION:

EYES:
 NONE REQUIRED FOR NORMAL USE

SKIN:
 NONE REQUIRED FOR NORMAL USE

VENTILATION:
 NORMAL VENTILATION IS ADEQUATE

V. FLAMMABILITY AND EXPLOSIVE PROPERTIES

FLASH POINT: > 300 DEG. F METHOD: OPEN CUP
 EXPLOSIVE LIMITS (% BY VOLUME IN AIR) LOWER: UNK UPPER: UNK ?
 RECOMMENDED EXTINGUISHING AGENTS: CARBON DIOXIDE, FOAM, DRY CHEMICAL
 HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION:
 OXIDES OF CARBON
 UNUSUAL FIRE OR EXPLOSION HAZARDS:
 NONE KNOWN
 COMPRESSED GASES:
 NAME: NONE
 PRESSURE AT ROOM TEMPERATURE:

VI. REACTIVITY DATA

STABILITY:	[X] STABLE	[] UNSTABLE
HAZARDOUS POLYMERIZATION:	[] MAY OCCUR	[X] WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS (NON-THERMAL):
NONE KNOWN

INCOMPATIBILITY:
STRONG OXIDIZERS

VII. SPILL OR LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:
SOAK UP WITH INERT ABSORBENT

RECOMMENDED METHODS OF DISPOSAL:
LANDFILL OR INCINERATE ACCORDING TO EPA AND LOCAL REGULATIONS

VIII. STORAGE AND HANDLING PROCEDURES

STORAGE:
OBSERVE NORMAL SAFETY PRECAUTIONS

HANDLING:
OBSERVE NORMAL SAFETY PRECAUTIONS

IX. SHIPPING REGULATIONS

TYPE OR CLASS DOT: UNRESTRICTED
IATA: UNRESTRICTED
PROPER SHIPPING NAME
DOT:
IATA:



Ronald J. Costello

President

DATE: 6/01/87
SUPERSEDES: 110185