

01/23/89

## MATERIAL SAFETY DATA SHEET

MSDS FOR  
#9-1813  
PG. 1 OF 2

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

IDENTITY  
(As shown on label  
or package)

I. C. 100

PART NO.

IF APPLICABLE 9-1813 CHAMP

## SECTION I

Manufacturer's

Name Grafo Colloids Division, Metal Lubricants Co.

Emergency

Phone No. 412-867-5000

Address (Number, Street, City, State, and Zip Code)

105 Eighth St., Emlenton, PA 16373

Signature of Preparer:

(Optional)

Manufacturer's Phone

No. for information 412-867-5000

Date MSDS

was prepared January 20, 1989

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION. All Health Hazards which comprise 1 % or greater of the composition and all carcinogens if 0.1% of the composition or greater

Hazardous Components

(Specific Chemical Identity and Common Name(s), if any.)

CAS NO.

OSHA

ACGIH

OTHER LIMITS

%

PEL

TLV

RECOMMENDED

(OPTIONAL)

graphite

7782-42-5

15 mppcf

10

## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling

Point 540°F

Specific Gravity

(H<sub>2</sub>O=1) 0.97

Melting

Point

Vapor Pressure

(mm Hg.)

@20°C, 0.01

Vapor Density

(AIR=1)

11

Evaporation Rate

(Butyl Acetate=1)

0.01

Solubility in Water

negligible

% Volatile

negligible

Other

(if any)

Appearance

and Odor

black liquid with libricating oil odor.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point

(Method Used)

(COC) 375°F

Flammable Limits

LEL

1%

UEL

6%

Extinguishing

Media

Foam, dry chemical, CO<sub>2</sub>, water spray or fog.

Special

Fire Fighting

Procedures

Use Air-supplied rescue equipment for enclosed area. Cool exposed contain with water.

Unusual Fire

and

Explosion Hazards

Hazardous products formed by

fire or thermal decomposition

Fumes, smoke, carbon monoxide, aldehydes and other decomposition

Explosive Limits

(% by volume in air)

products.

## SECTION V - OPTIONAL HAZARD RATINGS IDENTIFICATION

Hazardous Materials Identification System (HMIS)

HEALTH

1

REACTIVITY

0

FLAMMABILITY

1

PERSONAL PROTECTION

National Fire Protection Association (NFPA)

FIRE

1

REACTIVITY

0

HEALTH

1

SPECIAL HAZARDS

## SECTION VI - REACTIVITY and STABILITY DATA

STABILITY	Unstable		Conditions to avoid
	Stable	X	

INCOMPATIBILITY (Materials to Avoid) Avoid contact with strong oxidants.

HAZARDOUS DECOMPOSITION or BY PRODUCTS Fumes, smoke, carbon monoxide, aldehydes and other decomposition products

HAZARDOUS POLYMERIZATION	May Occur		Conditions to avoid
	Will not Occur	X	

## SECTION VII - HEALTH HAZARD DATA

Routes of entry	Inhalation?	Skin?	Ingestion?	Eyes?
Health Hazards	Acute	irritation/dermatitis		irritation
	Chronic			
Carcinogenicity	ATP?	IARC Monographs?	OSHA Regulated?	

Signs and Symptoms of Exposure Prolonged and repeated skin contact tends to remove skin oil; possibly leading to irritation and dermatitis.

Medical Conditions Generally Aggravated by Exposure

Emergency and First Aid Procedures **EYE:** Flush with water, if irritation persists call a physician. **SKIN** wash with soap and water. **INHALATION:** normally not a problem. **INGESTION** call a physician.

## SECTION VIII - PRECAUTIONS FOR SAFE HANDLING and USE

Steps to be Taken in Case Material is Released or Spilled Recover free product. Add absorbent to spill areas. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding.

Waste Disposal Method Incinerate or bury according to local, state, federal regulation.

Precautions to be Taken in Handling & Storage Keep containers closed and away from open flames.

Other Precautions Causes black stains which are difficult to remove.

## SECTION IX - CONTROL MEASURES

Respiratory Protection (Specify Type) Normally not needed at ambient temperature.		Protective Gloves Chemical resistant gloves
Ventilation	Local Exhaust To capture vapor, mist or fumes.	Special No smoking or open lights.
	Mechanical (General)	Other
Eye Protection Use splash goggles	Other Protective Clothing or Equipment Use chemical-resistant apron.	
Work/Hygienic Practices Minimize breathing vapor, mist, or fumes. Avoid prolonged contact with skin.		

## SECTION X - TRANSPORTATION INFORMATION (optional)

D.O.T. Proper Shipping Name Petroleum liquid, NOIBN	D.O.T. Hazard Class NA
If a "Consumer Commodity ORM-D", What is the qualifying Chemical? NA	
D.O.T. I.D. NO. (UN or NA) NA	Hazard Label or Marking Required on Shipper Ctn. NA
IATA Proper Shipping Name NA	IATA Hazard Class NA
	IMO NO. NA