

130912

Grease HC-1 See 0070

U. S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

~~XXXXXX~~  
~~XXXXXX~~  
~~XXXXXX~~

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME COSMO PETROTECH CO., LTD.		EMERGENCY TELEPHONE NO. TOKYO (03)3798-3832
ADDRESS (Number, Street, City, State, and ZIP Code) 1-1, SHIBAURA 1-CHOME MINATO-KU TOKYO 105 JAPAN		
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME AND SYNONYMS HARMONIC GREASE HC-1
CHEMICAL FAMILY Lubricating Grease	FORMULA N/A	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATING		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
NONE					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F) * 50% evaporated point	780	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	0.901
VAPOR PRESSURE (mm Hg) * Less than	0.05	PERCENT VOLATILE BY VOLUME (%)	Trace
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE ( - 1) * N/A except at	
SOLUBILITY IN WATER	Slight	temperature above	600°F
APPEARANCE AND ODOR Lemon yellow, buttry, mild oil odor			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) * ASTM D92	410°F	FLAMMABLE LIMITS	Lel N/A	Uel N/A
EXTINGUISHING MEDIA	Foam CO <sub>2</sub>			
SPECIAL FIRE FIGHTING PROCEDURES Same as petroleum				
UNUSUAL FIRE AND EXPLOSION HAZARDS None				

\* Data applies to fluid component of grease.

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Not applicable

EFFECTS OF OVEREXPOSURE Not applicable

EMERGENCY AND FIRST AID PROCEDURES Rinse material from eyes with warm water ;  
treat eyes with proprietary eye wash solution. Toxic potential if ingested, do not  
induce vomiting.

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID Exposure to metallic red heat
	STABLE	X	& open flame

INCOMPATIBILITY (Materials to avoid) No compatibility problems known

HAZARDOUS DECOMPOSITION PRODUCTS None in normal use

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

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Clean up promptly with mop or waste

WASTE DISPOSAL METHOD

Incineration, burial

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Not applicable

VENTILATION	LOCAL EXHAUST	Not applicable	SPECIAL
	MECHANICAL (General)		OTHER

PROTECTIVE GLOVES For highly sensitive skin only EYE PROTECTION Not applicable

OTHER PROTECTIVE EQUIPMENT None in normal use

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  
Maintain storage arrangement so that any leakage of containers will be readily  
detected.OTHER PRECAUTIONS  
Keep container dry and clean when handling in order to minimize slippage and  
possible injuries.

DATE JANUARY 10, 1991

SIGNATURE M. Hayano