

MATERIAL SAFETY DATA SHEET

MSDS NUMBER

857,242-4 R

DACE

	,	\$7367 (4.85)	-		,	42/1545	T IN FAUE
24 HOUR EM	ERGENCY	ASSISTANCE		GENERAL	MSDS AS	SISTANCE	
SHELL: 713-4	73-9461	CHEMTREC: 8	00-424-9300	SHE	LL: 713-24	1-4819	BE SAFE
ACUTE HEALTH .	FIRE	AEACTIVITY	HAZARD RATING	HIGH + 3	\$LIGHT - 1 EXTREME - 4	MODERATE . 2	SAFETY INFORMATIONAND PASS IT ON IPRODUCT, MAINT UNIT
*Fo	or acute and	chronic health e	ffects refer to th	e discussion	in Section II	· ·	Noveri
SECTION I			NA	ME			. .

SECTION I	NAME			
PRODUCT CATERPILLAR 5P 960 GREASE				
CHEMICAL MIXTURE (SEE SECTION 11-A) NAME				
CHEMICAL PETROLEUM GREASE				
SHELL 70346				

SECTION II-A		PRODUCT/INGREDIENT	PRODUCT/INGREDIENT		
NO.		COMPOSITION	CAS NUMBER	PERCENT	
Р	CATERPILLAR 5P 960	GREASE	MIXTURE	100	
1	SEVERELY HYDROTREATED HEAVY NAPHTHENIC DIST.		64742-52-5	50-60	
2	SOLVENT REFINED HYDROTREATED RESIDUAL OIL		64742-57-0	25-30	
3	LITHIUM HYDROXYSTEARATE		7620-77-1	9	
4	SULFURIZED LARD OIL		61790-49-6	6	
5	NAPTHENIC ACIDS, LEAD SALTS		61790-14-5	2.3	
6	MOLYBDENUM DISULFI		1317-33-5	3	
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SECTION II-B	ACUTE TOXICITY DATA
NO. ACUTE ORAL LDSO	ACUTE DERMAL LD50 - ACUTE INHALATION LC50

NOT AVAILABLE

SECTION III HEALTH INFORMATION

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

EYE CONTACT

MAY BE MILDLY IRRITATING TO THE EYES.

SKIN CONTACT

PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS SKIN DISORDERS SUCH AS DERMATITIS, FOLLICULITIS OR SIL ACRE AND MAY RESULT IN THE ABSORPTION OF LEAD (SEE SECTION VI). RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF OIL INTO THE SKIN CAUSING LOCAL MECROSIS.

INJALATION

TO EXPECTED TO SE A RELEVANT ROUTE OF EXPOSURE, HOWEVER, UNDER HIGH TEMPERATURE CONDITIONS, VAPORS IN-LITATING TO THE NOSE, THROAT AND UPPER RESPIRATORY TRACT MAY BE PRODUCED.

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INGESTION.

BASED ON THE PRESENCE OF COMPONENT 5, INGESTION MAY RESULT IN THE ABSORPTION OF LEAD (SEE SECTION VI).

SIGNS AND SYMPTOMS

IRRITATION AS NOTED ABOVE. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE.

AGGRAVATED MEDICAL CONDITIONS

PREEXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

SECTION IV

OCCUPATIONAL EXPOSURE LIMITS

OSHA

NO. PEL/TWA

PEL/CEILING

TLV/TWA

OTHER

NO OSHA/PEL OR ACGIH/TLV HAS ESEN ESTABLISHED.

SECTION V

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT

FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN CONTACT

REMOVE CONTAMINATED CLOTHING AND WIPE EXCESS DFF. WASH WITH SOAP AND WATER OR A WATERLESS HAND CLEANER FOLLOWED BY SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE; DO NOT WAIT FOR SYMPTOMS TO DEVELOP.

INHALATION

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

INGESTION

DO NOT INDUCE VOMITING. IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES OF PRODUCT ARE INGESTED. HOWEVER, GET MEDICAL ADVICE.

NOTE TO PHYSICIAN

*NOTE TO THE PHYSICIAN: IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PRODUCTS, I.E., MOST OILS AND GREASES.

SECTION VI SUPPLEMENTAL HEALTH INFORMATION

NO REPORTS OF LEAD TOXICITY HAVE BEEN ASSOCIATED WITH THIS PRODUCT. HOWEVER, SKIN CONTACT MAY RESULT IN ABSORPTION OF LEAD INTO THE BLOOD STREAM WHICH POTENTIALLY COULD RESULT IN LEAD TOXICITY OR ADVERSE REPRODUCTIVE EFFECTS. SUFFICIENT LEAD ABSORPTION IS KNOWN TO CAUSE DAMAGE TO LONE MARROW (ANEMIA), NERVOUS SYSTEM (BRAIN AND PERIPHERAL NERVE), KIDNEY AND TOXICITY OF BOWEL (COLIC). HANDLING PROCEDURES AND SAFETY PRECAUTIONS SHOULD BE FOLLOWED TO MINIMIZE EMPLOYCE EXPOSURE.

WARRED TO THE THE PARTY

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

DATE PREPARED: JANUARY 26, 1989

BE SAFE

READ OUR PRODUCT
SAFETY INFORMATION ...AND PASS IT ON
(PRODUCT LIABILITY LAW
REQUIRES IT)

J. C. WILLETT

SHELL DIL CLMPANY...
PRODUCT SAFETY AND COMPLIANCE
P. O. BOX 4320
HOUSTON. TX 77210

MSDS 857,242-4 R SECTION VII PHYSICAL DATA VAPOR PRESSURE: NOT AVAILABLE BOILING POINT: NOT AVAILABLE SPECIFIC GRAVITY: NOT AVAILABLE (DEG F) (H20=1) (MM HG) VAPOR DENSITY: NOT AVAILABLE MELTING POINT: 349 (DROPPING SOLUBILITY: NEGLIGIBLE (DEG F) POINT) (IN WATER) (AIRe1) EVAPORATION RATE (N-BUTYL ACETATE = 1): NOT AVAILABLE APPEARANCE AND DOOR: GRAY-BLACK, SMOOTH, SLIGHT ODOR. FIRE AND EXPLOSION HAZARDS SECTION VIII FLASH POINT AND METHOD: FLAMMABLE LIMITS /% VOLUME IN AIR 221 DEG C. PMCC (BASE OIL) LOWERT N/AV UPPER: N/AV EXTINGUISHING MEDIA USE WATER FOG. DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER. SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER. UNUSUAL FIRE AND EXPLOSION HAZARDS SULFUR DXIDES AND HYDROGEN SULFIDE, BOTH OF WHICH ARE TOXIC. MAY BE RELEASED UPON COMBUSTION. SECTION IX REACTIVITY HAZARDOUS POLYMERIZATION: WILL NOT DCCUR STABILITY: STABLE CONDITIONS AND MATERIALS TO AVOID: AVOID HEAT, OPEN FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS. HAZARDOUS DECOMPOSITION PRODUCTS THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION. CARBON MONOXIDE, SULFUR OXIDES, LEAD OXIDES AND UNIDENTIFIED DEGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

SECTION X

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION NOT ORDINARILY REQUIRED.

PRETECTIVE CLOTHING

USE OIL RESISTANT GLOVES AND OTHER CLOTHING AS NEEDED TO AVOID SKIN CONTACT. AVOID CONTACT WITH EYES. WEAR SAFETY GLASSES OR GOGGLES AS APPROPRIATE.

SECTION XI

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES SCOOP UP EXCESS GREASE. CLEAN AREA WITH APPROPRIATE CLEANER.

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