



# ENVIRONMENTAL DATA SHEET

EDS NUMBER ▶ 57,059-1

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97449 (5-87)

PRODUCT ▶ SUPER DUTY(R) GREASE KETT PART# 264-2 - 264-3

PRODUCT CODE ▶ 70437

## SECTION I PRODUCT/COMPOSITION

NO.	COMPONENT	CAS NUMBER	PERCENT
P	SUPER DUTY(R) GREASE	MIXTURE	100
1	SOLVENT REFINED, HYDROTREATED, RESIDUAL OIL	64742-57-0	40-50
2	SOLVENT REFINED, HYDROTREATED HEAVY PARAFFINIC DISTILLATE	64742-54-7	35-45
3	LITHIUM HYDROXYSTEARATE	7620-77-1	3-8
4	MOLYBDENUM DISULFIDE	1317-33-5	<2
5	ADDITIVES	MIXTURE	<10

## SECTION II SARA TITLE III INFORMATION

NO.	EHS RQ (LBS) (*1)	EHS TPQ (LBS) (*2)	SEC 313 (*3)	313 CATEGORY (*4)	311/312 CATEGORIES (*5)

BASED ON THE DATA AVAILABLE TO SHELL, THIS PRODUCT IS NOT REGULATED BY SARA, TITLE III.

## FOOTNOTES

- \*1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SEC.302
- \*2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SEC 302
- \*3 = TOXIC CHEMICAL, SEC 313
- \*4 = CATEGORY AS REQUIRED BY SEC 313 (40 CFR 372.65 C), MUST BE USED ON TOXIC RELEASE INVENTORY FORM
- \*5 = HAZARD CATEGORY FOR SARA SEC. 311/312 REPORTING
 

HEALTH	H-1 = IMMEDIATE (ACUTE) HEALTH HAZARD	H-2 = DELAYED (CHRONIC) HEALTH HAZARD
PHYSICAL	P-3 = FIRE HAZARD	P-4 = SUDDEN RELEASE OF PRESSURE HAZARD
	P-5 = REACTIVE HAZARD	

## SECTION III ENVIRONMENTAL RELEASE INFORMATION

EPA - CLEAN WATER ACT (CWA). THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING (A) SURFACE WATERS OR (B) ANY WATERCOURSES OR SEWERS ENTERING/LEAVING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

## SECTION IV RCRA INFORMATION

IF THIS PRODUCT BECOMES A WASTE, IT WOULD NOT BE A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

PRODUCT NAME: SUPER DUTY(R) GREASE

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DATE PREPARED: AUGUST 08, 1985  
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SHELL OIL COMPANY  
CORPORATE ENVIRONMENTAL AFFAIRS  
P. O. BOX 4320  
HOUSTON, TX 77210

FOR ADDITIONAL INFORMATION ON THIS ENVIRONMENTAL DATA PLEASE CALL  
(713) 241-2252

FOR EMERGENCY ASSISTANCE PLEASE CALL  
SHELL: (713) 473-8481  
CHEMTEC: (800) 424-8300



# MATERIAL SAFETY DATA SHEET

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<b>24 HOUR EMERGENCY ASSISTANCE</b>			<b>GENERAL MSDS ASSISTANCE</b>		
SHELL: 713-473-9461 CHEMTREC: 800-424-9300			SHELL: 713-241-4819		
ACUTE HEALTH * + 1	FIRE 1	REACTIVITY 0	HAZARD RATING LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4		
*For acute and chronic health effects refer to the discussion in Section III					



SECTION I	NAME
PRODUCT	SUPER DUTY(R) GREASE
CHEMICAL NAME	MIXTURE (SEE SECTION II-A)
CHEMICAL FAMILY	PETROLEUM HYDROCARBON; LUBRICATING GREASE
SHELL CODE	70437

SECTION II-A	PRODUCT/INGREDIENT		
NO.	COMPOSITION	CAS NUMBER	PERCENT
P	SUPER DUTY(R) GREASE	MIXTURE	100
1	SOLVENT REFINED, HYDROTREATED, RESIDUAL OIL	64742-57-0	40-50
2	SOLVENT REFINED, HYDROTREATED HEAVY PARAFFINIC DISTILLATE	64742-54-7	35-45
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5	ADDITIVES	MIXTURE	<10

NFPA HAZARD RATING: HEALTH 0 FIRE 1 REACTIVITY 0

SECTION II-B	ACUTE TOXICITY DATA		
NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50
P	NOT AVAILABLE		
2	>5 G/KG, RAT *	>5 G/KG, RABBIT *	

\* BASED ON API STUDIES

### 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 OIL ACNE. RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF OIL INTO THE SKIN CAUSING LOCAL NECROSIS.

**INHALATION**

NOT EXPECTED TO BE A RELEVANT ROUTE OF EXPOSURE, HOWEVER, UNDER HIGH TEMPERATURE CONDITIONS, VAPORS IRRITATING TO THE NOSE, THROAT AND UPPER RESPIRATORY TRACT MAY BE PRODUCED.

**INGESTION**

LUBRICATING GREASES ARE GENERALLY CONSIDERED NO MORE THAN SLIGHTLY TOXIC IF SWALLOWED.

**SIGNS AND SYMPTOMS**

IRRITATION AS NOTED ABOVE. LOCAL NECROSIS IS EVIDENCED BY DELAYED ONSET OF PAIN AND TISSUE DAMAGE A FEW HOURS FOLLOWING INJECTION.

**AGGRAVATED MEDICAL CONDITIONS**

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

**OTHER HEALTH EFFECTS**

THIS PRODUCT AND ITS COMPONENTS ARE NOT CLASSIFIED AS CARCINOGENS BY INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC), NATIONAL TOXICOLOGY PROGRAM (NTP) OR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

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**SECTION IV OCCUPATIONAL EXPOSURE LIMITS**  
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NO.	OSHA PEL/TWA	OSHA PEL/CEILING	ACGIH TLV/TWA	ACGIH TLV/STEL	OTHER
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NO OSHA/PEL OR ACGIH/TLV HAS BEEN ESTABLISHED.

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**SECTION V EMERGENCY AND FIRST AID PROCEDURES**  
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**EYE CONTACT**

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

**SKIN CONTACT**

REMOVE CONTAMINATED CLOTHING AND WIPE EXCESS OFF. 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.

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**SECTION VI SUPPLEMENTAL HEALTH INFORMATION**  
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NONE IDENTIFIED.

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**SECTION VII** **PHYSICAL DATA**  
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BOILING POINT: NOT AVAILABLE (DEG F)      SPECIFIC GRAVITY: NOT AVAILABLE (H2O=1)      VAPOR PRESSURE: NOT AVAILABLE (MM HG)  
MELTING POINT: 351 (DROPPING POINT) (DEG F)      SOLUBILITY: NEGLIGIBLE (IN WATER)      VAPOR DENSITY: NOT AVAILABLE (AIR=1)  
EVAPORATION RATE (N-BUTYL ACETATE = 1): NOT AVAILABLE

APPEARANCE AND ODOR:  
GRAY, SMOOTH GREASE. SLIGHT HYDROCARBON ODOR.

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**SECTION VIII** **FIRE AND EXPLOSION HAZARDS**  
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FLASH POINT AND METHOD: 315 DEG F. PMCC (BASE OIL)      FLAMMABLE LIMITS /% VOLUME IN AIR  
LOWER: 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 OXIDES AND HYDROGEN SULFIDE, BOTH OF WHICH ARE TOXIC, MAY BE RELEASED UPON COMBUSTION.

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**SECTION IX** **REACTIVITY**  
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STABILITY: STABLE      HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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 ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

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**SECTION X** **EMPLOYEE PROTECTION**  
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RESPIRATORY PROTECTION  
NOT ORDINARILY REQUIRED.

PROTECTIVE 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.

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**SECTION XI** **ENVIRONMENTAL PROTECTION**  
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SPILL OR LEAK PROCEDURES  
SCOOP UP EXCESS GREASE. CLEAN AREA WITH APPROPRIATE CLEANER.

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SECTION XII SPECIAL PRECAUTIONS  
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STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

AVOID SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, THAT CANNOT BE DECONTAMINATED.

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SECTION XIII TRANSPORTATION REQUIREMENTS  
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DEPARTMENT OF TRANSPORTATION CLASSIFICATION:  
NOT HAZARDOUS BY D.O.T. REGULATIONS

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SECTION XIV OTHER REGULATORY CONTROLS  
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THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE ATTACHED ENVIRONMENTAL DATA SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

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SECTION XV STATE REGULATORY INFORMATION  
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THE FOLLOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STATES; OTHER PRODUCT SPECIFIC HEALTH AND SAFETY DATA IN OTHER SECTIONS OF THE MSDS MAY ALSO BE APPLICABLE FOR STATE REQUIREMENTS. FOR DETAILS ON YOUR REGULATORY REQUIREMENTS YOU SHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR STATE.

STATE LISTED COMPONENT	PERCENT	STATE CODE
MOLYBDENUM DISULFIDE (CAS NO: 1317-33-5 )	<2	MA, NJ

CA = CALIFORNIA HAZ. SUBST. LIST; CA65 = CALIFORNIA SAFE DRINKING WATER AND TOXICS ENFORCEMENT ACT LIST; CT = CONNECTICUT TOX. SUBST. LIST; FL = FLORIDA SUBST. LIST; IL = ILLINOIS TOX. SUBST. LIST; LA = LOUISIANA HAZ. SUBST. LIST; MA = MASSACHUSETTS SUBST. LIST; ME = MAINE HAZ SUBST. LIST; MN = MINNESOTA HAZ. SUBST. LIST; NJ = NEW JERSEY HAZ. SUBST. LIST; PA = PENNSYLVANIA HAZ. SUBST. LIST; RI = RHODE ISLAND HAZ. SUBST. LIST.

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SECTION XVI SPECIAL NOTES  
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PRODUCT NAME CHANGED. THE OSHA HAZARD EVALUATION AND OTHER REGULATORY REQUIREMENTS HAVE NOT CHANGED.

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DATE PREPARED: AUGUST 08, 1995  
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**BE SAFE**

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

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J. C. WILLETT  
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SHELL OIL COMPANY  
PRODUCT SAFETY AND COMPLIANCE  
P. O. BOX 4820  
HOUSTON, TX 77210