MATERIAL SAFETY DATA SHEET

97367 (4-85)

MSDS NUMBER ▶ 840,240 L PAGE 1

24 HOUR EMERGENCY ASSISTANCE	GENERAL MSDS ASSISTANCE
SHELL: 713-473-9461 CHEMTREC: 800-424-9300	SHELL: 713-241-4819

ACUTE HEALTH *	FIRE	REACTIVITY	HAZARD RATING ▶
3	1	1	LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4

*For acute and chronic health effects refer to the discussion in Section III

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

SECTION I	NAME
PRODUCT ▶	SPENT ABRASIVE MATERIAL FROM ABRASIVE BLASTING
CHEMICAL NAME ▶	MIXTURE (SEE SECTION II-A)
CHEMICAL FAMILY ▶	WASTE
SHELL CODE ▶	WWWWW

PLAINTIFF'S EXHIBIT
SH-541

SECTION II-A PRODUCT/INGREDIENT

NO.	COMPOSITION	CAS NUMBER	PERCENT
P	SPENT ABRASIVE MATERIAL FROM ABRASIVE BLASTING	MIXTURE	100
1	SPENT ABRASIVE MATERIAL	MIXTURE	90-99
2	PAINT CHIPS AND OTHER RESIDUES	MIXTURE	1-10
2A	ARSENIC COMPOUNDS	MIXTURE	*
2B	ASBESTOS FIBERS	1332-21-4	*
2C	CALCIUM CARBONATE	1317-65-3	*
2D	CHROMIUM COMPOUNDS	MIXTURE	*
2E	IRON OXIDE	1309-37-1	*
2F	LEAD COMPOUNDS	MIXTURE	*
2G	NICKEL COMPOUNDS	MIXTURE	*
2H	PETROLEUM HYDROCARBONS	MIXTURE	*
2I	SILICON DIOXIDE	7631-86-9	*
2J	SULFIDES	MIXTURE	*
2K	TITANIUM DIOXIDE	13463-67-7	*
2L	ZINC COMPOUNDS	MIXTURE	*

COMPONENT 1 COULD BE ANY COMMERCIALLY AVAILABLE ABRASIVE BLASTING MATERIAL. COMPONENT 2 MAY CONSIST OF RESIDUAL PAINT OR COATINGS, COMPOUNDS FROM CORROSION OR WEATHERING. AND RESIDUES FROM STORED PETROLEUM OR CHEMICAL PRODUCTS. COMPONENT 2 MAY CONTAIN ONE OR MORE OF THE COMPONENTS LISTED ABOVE AND PROBABLY CONTAINS OTHER UNIDENTIFIED ORGANIC AND INORGANIC COMPOUNDS.

SECTION II-B ACUTE TOXICITY DATA

NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50
P	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
MATERIAL MAY BE IRRITATING TO THE EYES.

SKIN CONTACT
MATERIAL MAY BE IRRITATING TO THE SKIN. BASED UPON THE PRESENCE OF COMPONENT 2G, MAY CAUSE SKIN SENSITIZATION.

INHALATION
DUST MAY CAUSE IRRITATION TO THE NOSE, THROAT AND RESPIRATORY TRACT. INHALATION OF DUST CONTAINING SILICON DIOXIDE MAY CAUSE SILICOSIS. INHALATION OF DUST CONTAINING ASBESTOS FIBER MAY CAUSE ASBESTOSIS (FIBROSIS OF THE LUNGS), LUNG CANCER OR MESOTHELIOMA (SEE OTHER HEALTH EFFECTS).

INGESTION
ALTHOUGH INGESTION IS NOT A PROBABLE ROUTE OF EXPOSURE, MATERIAL MAY BE HARMFUL IF SWALLOWED.

SIGNS AND SYMPTOMS
IRRITATION AS NOTED ABOVE. SKIN SENSITIZATION (ALLERGY) MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES. LUNG DAMAGE (SCARRING, BRONCHITIS, EMPHYSEMA) MAY BE EVIDENCED BY SHORTNESS OF BREATH, ESPECIALLY ON EXERTION, AND MAY BE ACCOMPANIED BY CHRONIC COUGH.

AGGRAVATED MEDICAL CONDITIONS
PREEXISTING EYE, SKIN, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL. IMPAIRED RESPIRATORY FUNCTION FROM PREEXISTING DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL. PREEXISTING SKIN OR LUNG ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY SYMPTOMS FROM EXPOSURE TO THIS MATERIAL.

OTHER HEALTH EFFECTS
IN REFERENCE TO COMPONENT 2A, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, THE NATIONAL TOXICOLOGY PROGRAM AND THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAVE DETERMINED THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY IN HUMANS OF INORGANIC ARSENIC COMPOUNDS. THERE IS INADEQUATE EVIDENCE FOR THE CARCINOGENICITY OF ARSENIC COMPOUNDS IN ANIMALS. IN REFERENCE TO COMPONENT 2B, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, THE NATIONAL TOXICOLOGY PROGRAM AND THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAVE DETERMINED THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF ASBESTOS IN BOTH HUMANS AND EXPERIMENTAL ANIMALS. IN REFERENCE TO COMPONENT 2D, THE NATIONAL TOXICOLOGY PROGRAM AND THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAVE DETERMINED THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF CHROMIUM AND CERTAIN CHROMIUM COMPOUNDS BOTH IN HUMANS AND EXPERIMENTAL ANIMALS. IN REFERENCE TO COMPONENT 2F, EXPOSURE TO VAPORS OR DUST MAY RESULT IN ABSORPTION OF LEAD INTO THE BLOODSTREAM, WHICH POTENTIALLY COULD RESULT IN LEAD TOXICITY OR ADVERSE REPRODUCTIVE EFFECTS. SUFFICIENT LEAD ABSORPTION IS KNOWN TO CAUSE DAMAGE TO BONE MARROW (ANEMIA), NERVOUS SYSTEM (BRAIN AND PERIPHERAL NERVE), KIDNEY AND TOXICITY OF THE BOWEL (COLIC). THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAS DETERMINED THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF LEAD AND INORGANIC LEAD COMPOUNDS IN EXPERIMENTAL ANIMALS. SEE SECTION VI FOR FURTHER HEALTH EFFECTS.

SECTION IV — OCCUPATIONAL EXPOSURE LIMITS

NO.	OSHA PEL/TWA	OSHA PEL/CEILING	ACGIH TLV/TWA	ACGIH TLV/STEL	OTHER
2A	0.01 MG/M3 *1		0.2 MG/M3 *2		
	0.5 MG/M3 *3				
2B	0.2 F/CC	1 F/CC 30 MIN	2 F/CC, A1		
B1			0.5 F/CC, A1		
B2			2 F/CC, A1		
B3	5 MG/M3 *4		0.2 F/CC, A1		
B4	15 MG/M3 *5		2 F/CC, A1		
2C	0.5 MG/M3 *6		10 MG/M3 *5		
	0.001 MG/M3 *7		0.5 MG/M3 *6		
2D	0.05 MG/M3 *8		0.05 MG/M3 *7		
	10 MG/M3 *9		0.05 MG/M3 *8		
	0.05 MG/M3 *10		5 MG/M3 *9		
2E	1 MG/M3 *11		0.15 MG/M3 *10		
2F	0.1 MG/M3 *12		1 MG/M3 *11		
2G	0.05 MG/M3 *13		0.1 MG/M3 *12		LAM 026474
	10 MG/M3 *5		0.05 MG/M3 *13		
2I			10 MG/M3 *5		
2J					

*1-INORG ARSENIC CMPDS, AS ARSENIC. *2-ARSENIC AND SOL CMPDS, AS ARSENIC. *3-ORG ARSENIC CMPDS, AS ARSENIC. B1-AMOSITE. B2-CHRYSOTILE. B3-CROCIDOLITE. B4-OTHER FORMS OF ASBESTOS. *4-RESPIRABLE FRACTION. *5-TOTAL DUST. *6-CHROMIUM (II & III) CMPDS, AS CR. *7-CHROMIUM (VI), CERTAIN WATER INSOL. CMPDS, AS CR. *8-CHROMIUM (VI), WATER SOL, AS CR. *9-FUME, AS FE. *10-INORG FUMES AND DUSTS, AS PB. *11-METAL AND INSOL CMPDS, AS NI. *12-SOL CMPDS, AS NI. *13-CRYSTALLINE SILICA, CRISTOBALITE, RESPIRABLE.

SECTION V EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN CONTACT
IMMEDIATELY REMOVE CONTAMINATED CLOTHING/SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.

INHALATION
REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

INGESTION
DO NOT INDUCE VOMITING. GET MEDICAL ADVICE.

SECTION VI SUPPLEMENTAL HEALTH INFORMATION

IN REFERENCE TO COMPONENT 2G, THE NATIONAL TOXICOLOGY PROGRAM AND THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAVE DETERMINED THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF NICKEL AND CERTAIN NICKEL COMPOUNDS IN EXPERIMENTAL ANIMALS. SOME EPIDEMIOLOGICAL STUDIES ON WORKERS IN SOME NICKEL REFINERIES HAVE DEMONSTRATED AN EXCESS RISK OF CANCER OF THE NASAL CAVITIY AND LUNG.

IN REFERENCE TO COMPONENT 2H, THIS MATERIAL MAY CONTAIN PETROLEUM HYDROCARBONS WHICH THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAS DETERMINED TO BE CARCINOGENIC IN EXPERIMENTAL ANIMALS.

IN REFERENCE TO COMPONENT 2I, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER HAS DETERMINED THERE IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF CRYSTALLINE SILICON DIOXIDE IN EXPERIMENTAL ANIMALS AND LIMITED EVIDENCE FOR THE CARCINOGENICITY OF CRYSTALLINE SILICON DIOXIDE IN HUMANS. THEREFORE, THE HANDLING PROCEDURES AND SAFETY PRECAUTIONS IN THIS MSDS SHOULD BE FOLLOWED TO MINIMIZE EMPLOYEE'S EXPOSURE.

IN REFERENCE TO COMPONENT 2D, SEVERAL EPIDEMIOLOGICAL STUDIES OF CHROMATE PRODUCTION WORKERS HAVE DEMONSTRATED AN ASSOCIATION OF EXPOSURE TO CHROMIUM COMPOUNDS WITH RESPIRATORY CANCER. WHETHER THE ASSOCIATION IMPLICATES HEXAVALENT CHROMIUM (CRVI) ALONE, OR TRIVALENT (CRIII) AS WELL, IS NOT DEFINITIVELY ADDRESSED BY THESE STUDIES.

SEVERAL HEXAVALENT CHROMIUM COMPOUNDS HAVE BEEN SHOWN TO BE CARCINOGENIC IN EARLIER BIOASSAY STUDIES. ONLY CALCIUM CHROMATE HAS CONSISTENTLY PRODUCED LUNG TUMORS IN RATS, BY SEVERAL ROUTES OF ADMINISTRATION. OTHER CHROMIUM COMPOUNDS -- STRONTIUM CHROMATE, ZINC CHROMATE, SODIUM DICHROMATE, LEAD CHROMATE, LEAD CHROMATE OXIDE, AND SINTERED CHROMIUM TRIOXIDE -- HAVE PRODUCED LOCAL SARCOMAS OR LUNG TUMORS IN RATS AT THE SITE OF INTRABRONCHIAL, INTRATRACHEAL, INTERMUSCULAR, SUBCUTANEOUS AND INTRAPERITONEAL APPLICATION.

HEXAVALENT CHROMIUM COMPOUNDS HAVE NOT INDUCED LUNG TUMORS BY INHALATION.

TRIVALENT CHROMIUM COMPOUNDS HAVE NOT BEEN REPORTED TO BE CARCINOGENIC BY ANY ROUTE OF ADMINISTRATION.

SECTION VII PHYSICAL DATA

BOILING POINT: N/AV (DEG F)	SPECIFIC GRAVITY: N/AV (H2O=1)	VAPOR PRESSURE: N/AV (MM HG)
MELTING POINT: N/AV (DEG F)	SOLUBILITY: INSOLUBLE (IN WATER)	VAPOR DENSITY: N/AV (AIR=1)

EVAPORATION RATE (N-BUTYL ACETATE = 1): N/AV

APPEARANCE AND ODOR:
SOLID

SECTION VIII FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD:
>200 DEG F

FLAMMABLE LIMITS /% VOLUME IN AIR
LOWER: N/AV UPPER: N/AV

EXTINGUISHING MEDIA
USE WATER FOG, FOAM, DRY CHEMICAL OR CO2.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS
MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS
SULFUR OXIDES AND HYDROGEN SULFIDE, BOTH OF WHICH ARE TOXIC, MAY BE RELEASED UPON COMBUSTION.

SECTION IX REACTIVITY

STABILITY: STABLE HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID:
THIS MATERIAL MAY FORM HIGHLY TOXIC HYDROGEN SULFIDE ON CONTACT WITH ACIDS; PREVENT CONTACT WITH ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS
CARBON MONOXIDE, SULFUR OXIDES, HYDROGEN SULFIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

SECTION X EMPLOYEE PROTECTION

RESPIRATORY PROTECTION
IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. IV) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER A FULL-FACE, ATMOSPHERE-SUPPLYING RESPIRATOR OR AIR-PURIFYING RESPIRATOR FOR PARTICULATES. OSHA HAS ESTABLISHED TRANSITIONAL OCCUPATIONAL EXPOSURE LIMITS FOR COMPONENTS OF THIS MATERIAL. REFER TO 29 CFR 1910.1000 FOR THESE TRANSITIONAL LIMITS AND REQUIREMENTS FOR MEETING THESE LIMITS.

PROTECTIVE CLOTHING
AVOID CONTACT OF DUST, VAPORS AND FUMES WITH EYES. WEAR CHEMICAL GOGGLES IF THERE IS LIKELIHOOD OF CONTACT WITH EYES. AVOID CONTACT OF DUST, VAPORS AND FUMES WITH SKIN AND CLOTHING. WEAR CHEMICAL-RESISTANT GLOVES AND PROTECTIVE CLOTHING.

ADDITIONAL PROTECTIVE MEASURES
USE EXPLOSION-PROOF VENTILATION AS REQUIRED TO CONTROL PARTICULATE CONCENTRATIONS.

SECTION XI ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES
MAY BURN, ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGEMENT WHEN CLEANING UP LARGE SPILLS. WEAR RESPIRATOR AND PROTECTIVE CLOTHING, AS APPROPRIATE. *** SHOVEL AND SWEEP UP OR USE INDUSTRIAL VACUUM CLEANER. AVOID GENERATING DUST CLOUDS. *** PUT INTO CONTAINERS FOR RECLAIMING OR DISPOSAL.

SECTION XII SPECIAL PRECAUTIONS

STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, APPLYING COSMETICS, OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. KEEP AWAY FROM ACIDS. THIS MATERIAL MAY REACT WITH ACIDS AND PRODUCE TOXIC HYDROGEN SULFIDE.

SECTION XIII TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:
TRANSPORTATION REQUIREMENTS DETERMINED ON A CASE BY CASE BASIS BY SHIPPING LOCATION.

SECTION XIV OTHER REGULATORY CONTROLS

WITHIN THE LIMITATIONS SPECIFIED IN 40 CFR 710.4(D)(2), THIS BYPRODUCT IS EXCLUDED FROM LISTING ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.

IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE EDS SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

SECTION XV STATE REGULATORY INFORMATION

THIS INFORMATION IS BEING SYSTEMATICALLY ADDED TO OUR MSDS. IT HAS PREVIOUSLY BEEN PROVIDED TO YOU IN VARIOUS WAYS, INCLUDING THE MSDS. THE NEW MSDS FORMAT IS INTENDED TO PROVIDE THE USER WITH THE INFORMATION IN A MORE CONVENIENT MANNER.

LAM 026477

SECTION XVI SPECIAL NOTES

SEE ENVIRONMENTAL DATA SHEET FOR WASTE DISPOSAL AND OTHER ENVIRONMENTAL INFORMATION.

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: FEBRUARY 23, 1990

J. C. WILLETT

BE SAFE

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

SHELL OIL COMPANY
PRODUCT SAFETY AND COMPLIANCE
P. O. BOX 4320
HOUSTON, TX 77210

ENVIRONMENTAL DATA SHEET

97449 (9-87)

PRODUCT ▶ SPENT ABRASIVE MATERIAL FROM ABRASIVE BLASTING

PRODUCT CODE ▶ WWWWW

SECTION I PRODUCT/COMPOSITION

NO.	COMPONENT	CAS NUMBER	PERCENT
P	SPENT ABRASIVE MATERIAL FROM ABRASIVE BLASTING	MIXTURE	100
1	SPENT ABRASIVE MATERIAL	MIXTURE	90-99
2	PAINT CHIPS AND OTHER RESIDUES	MIXTURE	1-10
2A	ARSENIC COMPOUNDS	MIXTURE	*
2B	ASBESTOS FIBERS	1332-21-4	*
2C	CALCIUM CARBONATE	1317-65-3	*
2D	CHROMIUM COMPOUNDS	MIXTURE	*
2E	IRON OXIDE	1309-37-1	*
2F	LEAD COMPOUNDS	MIXTURE	*
2G	NICKEL COMPOUNDS	MIXTURE	*
2H	PETROLEUM HYDROCARBONS	MIXTURE	*
2I	SILICON DIOXIDE	7631-86-9	*
2J	SULFIDES	MIXTURE	*
2K	TITANIUM DIOXIDE	13463-67-7	*
2L	ZINC COMPOUNDS	MIXTURE	*

COMPONENT 1 COULD BE ANY COMMERCIALLY AVAILABLE ABRASIVE BLASTING MATERIAL. COMPONENT 2 MAY CONSIST OF RESIDUAL PAINT OR COATINGS, COMPOUNDS FROM CORROSION OR WEATHERING, AND RESIDUES FROM STORED PETROLEUM OR CHEMICAL PRODUCTS. COMPONENT 2 MAY CONTAIN ONE OR MORE THE COMPONENTS LISTED ABOVE AND PROBABLY CONTAINS OTHER UNIDENTIFIED ORGANIC AND INORGANIC COMPOUNDS.

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)
P					H-1, H-2
2A			YES	ARSENIC COMPOUNDS	
2D			YES	CHROMIUM COMPOUNDS	
2F			YES	LEAD COMPOUNDS	
2G			YES	NICKEL COMPOUNDS	
2L			YES	ZINC COMPOUNDS	

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

LAM 026478

ABS-044431

SECTION III ENVIRONMENTAL RELEASE INFORMATION

EPA - COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT. UNDER EPA-CERCLA ("SUPERFUND") RELEASES TO AIR, LAND OR WATER WHICH EXCEED THE REPORTABLE QUANTITY MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

BASED UPON THE VARIABILITY OF THE COMPOSITION OF THIS MATERIAL, THE REPORTABLE QUANTITY (RQ) FOR A RELEASE OF THIS MATERIAL SHOULD BE DETERMINED ON A CASE BY CASE BASIS.

SECTION IV RCRA INFORMATION

IF THIS MATERIAL BECOMES A WASTE MATERIAL IT MAYBE A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). REFER TO LATEST EPA OR STATE REGULATIONS REGARDING PROPER DISPOSALS.

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: FEBRUARY 23, 1990

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) 473-9461
CHEMTREC: (800) 424-9300