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SDS

Common Name: HF BLUE 150 HYDRAULIC, CM45885 HF104(DRUMS), HF 102 (GALLON TWIN PACKS), HF101 (

Manufacturer: U.S. LUBRICANTS

SDS Revision Date: 4/23/2014

SDS Format: GHS-US

Grainger Item Number(s): 18Y531, 3KD75, 3KD76

Manufacturer Model Number(s):

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U.S. LUBRICANTS

SAFETY DATA SHEET

ISSUE DATE: 11-FEB-2013

REVISION DATE: 23-APR-2014

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION



AND OF THE COMPANY/UNDERTAKING

PRODUCT IDENTIFIER:

PRODUCT NAME:

HF BLUE 150 HYDRAULIC

CM45885 HF104(DRUMS), HF 102 (GALLON TWIN PACKS), HF101 (GALLONS), 3KD75 (GALLONS), HF100 (QUARTS), 3KD76 (QUARTS)

OTHER MEANS OF IDENTIFICATION:

PRODUCT CODE: 159

REVISION NUMBER: 2661

SYNONYMS: NONE

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: LUBRICANT.

USES ADVISED AGAINST: NO INFORMATION AVAILABLE

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

MANUFACTURER ADDRESS:

U.S. LUBRICANTS

A DIVISION OF U.S. VENTURE, INC.

425 BETTER WAY

APPLETON, WI 54915

EMERGENCY TELEPHONE NUMBER:

COMPANY PHONE NUMBER: 800-490-4900

24 HOUR EMERGENCY PHONE NUMBER:

800-688-4005

DTCG84-01-A-900043

2. HAZARDS IDENTIFICATION



CLASSIFICATION:

SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 2B

LABEL ELEMENTS:

EMERGENCY OVERVIEW:

WARNING:

HAZARD STATEMENTS: CAUSES EYE IRRITATION

APPEARANCE: VISCOUS

PHYSICAL STATE: LIQUID

ODOR: MILD PETROLEUM

PRECAUTIONARY STATEMENTS - PREVENTION:

WASH FACE, HANDS AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING.

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES (IF PRESENT AND EASY TO DO). CONTINUE RINSING.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION

HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS

HARMFUL TO AQUATIC LIFE

3. COMPOSITION/INFORMATION ON INGREDIENTS



CHEMICAL NAME	CAS NO.	WEIGHT-%	TRADE SECRET
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC	64742-54-7	90-99	*
ZINC ALKYLDITHIOPHOSPHATE	4259-15-8	<1	*

* THE EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET.

4. FIRST AID MEASURES



FIRST AID MEASURES:

EYE CONTACT:

RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS. CONSULT A PHYSICIAN.

SKIN CONTACT:

IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH WITH SOAP AND WATER.

INHALATION: REMOVE TO FRESH AIR.

INGESTION:

DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. DRINK 1 OR 2 GLASSES OF WATER.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

SYMPTOMS: NO INFORMATION AVAILABLE.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTE TO PHYSICIANS: TREAT SYMPTOMATICALLY.

5. FIRE-FIGHTING MEASURES



SUITABLE EXTINGUISHING MEDIA:

USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT.

UNSUITABLE EXTINGUISHING MEDIA:

CAUTION: USE OF WATER SPRAY WHEN FIGHTING FIRE MAY BE INEFFICIENT.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: NO INFORMATION AVAILABLE.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NONE.

SENSITIVITY TO STATIC DISCHARGE: NONE.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

UNUSUAL FIRE & EXPLOSION HAZARDS:

TOXIC FUMES MAY BE EVOLVED ON BURNING OR EXPOSURE TO HEAT. PRESSURE MAY INCREASE IN OVERHEATED CLOSED CONTAINERS. STORE BELOW 120 DEG. F

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS:

USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS. STOP LEAK IF YOU CAN DO IT WITHOUT RISK.

ENVIRONMENTAL PRECAUTIONS:

ENVIRONMENTAL PRECAUTIONS:

SEE SECTION 12 FOR ADDITIONAL ECOLOGICAL INFORMATION.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

METHODS FOR CONTAINMENT:

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

METHODS FOR CLEANING UP:

SOAK UP WITH INERT ABSORBENT MATERIAL. PREVENT PRODUCT FROM ENTERING DRAINS. PICK UP AND TRANSFER TO PROPERLY LABELED CONTAINERS.

PREVENTION OF SECONDARY HAZARDS:

CLEAN CONTAMINATED OBJECTS AND AREAS THOROUGHLY OBSERVING ENVIRONMENTAL REGULATIONS.

7. HANDLING AND STORAGE



PRECAUTIONS FOR SAFE HANDLING:

ADVICE ON SAFE HANDLING:

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. AVOID BREATHING FUME/MIST/VAPORS/SPRAY.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE CONDITIONS:

KEEP AWAY FROM HEAT, SPARKS, FLAME AND OTHER SOURCES OF IGNITION (I.E., PILOT LIGHTS, ELECTRIC MOTORS AND STATIC ELECTRICITY). KEEP CONTAINERS TIGHTLY CLOSED IN A DRY, COOL AND WELL-VENTILATED PLACE. STORE AT TEMPERATURES NOT EXCEEDING 120 DEG. F.

INCOMPATIBLE MATERIALS:

INCOMPATIBLE WITH OXIDIZING AGENTS. INCOMPATIBLE WITH STRONG ACIDS AND BASES.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



CONTROL PARAMETERS:

EXPOSURE GUIDELINES:

THIS PRODUCT, AS SUPPLIED, DOES NOT CONTAIN ANY HAZARDOUS MATERIALS WITH OCCUPATIONAL EXPOSURE LIMITS ESTABLISHED BY THE REGION SPECIFIC REGULATORY BODIES.

APPROPRIATE ENGINEERING CONTROLS:

ENGINEERING CONTROLS:

SHOWERS
EYEWASH STATIONS
VENTILATION SYSTEMS.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

SKIN AND BODY PROTECTION: WEAR PROTECTIVE NITRILE OR NEOPRENE(TM) GLOVES.

RESPIRATORY PROTECTION:

NO PROTECTIVE EQUIPMENT IS NEEDED UNDER NORMAL USE CONDITIONS. IF EXPOSURE LIMITS ARE EXCEEDED OR IRRITATION IS EXPERIENCED, VENTILATION AND EVACUATION MAY BE REQUIRED.

GENERAL HYGIENE CONSIDERATIONS:

DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.

9. PHYSICAL AND CHEMICAL PROPERTIES



INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: LIQUID

APPEARANCE: VISCOUS

ODOR: MILD PETROLEUM

COLOR: BLUE

ODOR THRESHOLD: NO INFORMATION AVAILABLE

PROPERTY	VALUES	REMARKS - METHOD
PH	ESSENTIALLY NEUTRAL	
MELTING POINT/FREEZING POINT	NO INFORMATION AVAILABLE	
BOILING POINT / BOILING RANGE	NO INFORMATION AVAILABLE	
FLASH POINT	400 DEG. F	
EVAPORATION RATE	LESS THAN 0.01 (@ 1 ATM AND 25 DEG. C. N-BUTYL ACETATE=1	
FLAMMABILITY (SOLID, GAS)	NO INFORMATION AVAILABLE	
FLAMMABILITY LIMIT IN AIR:		
UPPER FLAMMABILITY LIMIT	10% (ESTIMATED VALUE)	
LOWER FLAMMABILITY LIMIT	1% (ESTIMATED VALUE)	
VAPOR PRESSURE	LESS THAN 0.01 MMHg	
VAPOR DENSITY	GREATER THAN 1 (AIR=1)	
SPECIFIC GRAVITY	0.850	
LBS/GAL	7.11	
WATER SOLUBILITY	INSOLUBLE IN WATER	

SOLUBILITY IN OTHER SOLVENTS	NO INFORMATION AVAILABLE
PARTITION COEFFICIENT	NO INFORMATION AVAILABLE
AUTOIGNITION TEMPERATURE	NO INFORMATION AVAILABLE
DECOMPOSITION TEMPERATURE	NO INFORMATION AVAILABLE
KINEMATIC VISCOSITY	30-34 CST @ 40 DEG. C
DYNAMIC VISCOSITY	NO INFORMATION AVAILABLE
EXPLOSIVE PROPERTIES	NO INFORMATION AVAILABLE
OXIDIZING PROPERTIES	NO INFORMATION AVAILABLE
OTHER INFORMATION:	
SOFTENING POINT	NO INFORMATION AVAILABLE
MOLECULAR WEIGHT	NO INFORMATION AVAILABLE
VOC CONTENT (%)	NEGLIGIBLE
DENSITY	NO INFORMATION AVAILABLE
BULK DENSITY	NO INFORMATION AVAILABLE

10. STABILITY AND REACTIVITY



REACTIVITY: NOT APPLICABLE

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

CONDITIONS TO AVOID: STRONG OXIDIZING AGENTS. HEAT, FLAMES AND SPARKS.

INCOMPATIBLE MATERIALS:

INCOMPATIBLE WITH OXIDIZING AGENTS. INCOMPATIBLE WITH STRONG ACIDS AND BASES.

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL DECOMPOSITION CAN LEAD TO RELEASE OF IRRITATING AND TOXIC GASES AND VAPORS.

11. TOXICOLOGICAL INFORMATION



INFORMATION ON LIKELY ROUTES OF EXPOSURE:

PRODUCT INFORMATION: NO DATA AVAILABLE

INHALATION:

AVOID BREATHING VAPORS OR MISTS. INHALATION OF VAPORS IN HIGH CONCENTRATION MAY CAUSE IRRITATION OF RESPIRATORY SYSTEM.

EYE CONTACT: CONTACT WITH EYES MAY CAUSE IRRITATION.

SKIN CONTACT: PROLONGED CONTACT MAY CAUSE REDNESS AND IRRITATION.

INGESTION:

UNLIKELY TO CAUSE HARM IF ACCIDENTALLY SWALLOWED IN SMALL DOSES, THOUGH LARGER QUANTITIES MAY CAUSE NAUSEA AND DIARRHEA.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
ZINC ALKYL DITHIOPHOSPHATE 4259-15-8	=3100 MG/KG (RAT)	>5000 MG/KG (RABBIT)	

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS: NO INFORMATION AVAILABLE.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

SKIN CORROSION/IRRITATION: IRRITATING TO SKIN.

SERIOUS EYE DAMAGE/EYE IRRITATION: IRRITATING TO EYES.

IRRITATION:

MAY CAUSE SKIN AND EYE IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

SENSITIZATION: NO INFORMATION AVAILABLE.

GERM CELL MUTAGENICITY: NO INFORMATION AVAILABLE.

CARCINOGENICITY: NO INFORMATION AVAILABLE.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC 64742-54-7	A2	GROUP 1		X

REPRODUCTIVE TOXICITY: NO INFORMATION AVAILABLE.

STOT - SINGLE EXPOSURE: NO INFORMATION AVAILABLE.

STOT - REPEATED EXPOSURE: NO INFORMATION AVAILABLE.

ASPIRATION HAZARD: NO INFORMATION AVAILABLE.

NUMERICAL MEASURES OF TOXICITY - PRODUCT INFORMATION:

12. ECOLOGICAL INFORMATION



ECOTOXICITY: HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS

0.17% OF THE MIXTURE CONSISTS OF COMPONENTS(S) OF UNKNOWN HAZARDS TO THE AQUATIC ENVIRONMENT

CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC 64742-54-7		5000: 96 H ONCORHYNCHUS MYKISS MG/L LC50

ZINC ALKYLDITHIOPHOSPHATE 4259-15-8	1.0 - 5.0: 96 H PSEUDOKIRCHNERIELLA SUBCAPITATA MG/L EC50	10.0 - 35.0: 96 H PIMEPHALES PROMELAS MG/L LC50 SEMI-STATIC
		1.0 - 5.0: 96 H PIMEPHALES PROMELAS MG/L LC50 STATIC

CHEMICAL NAME	TOXICITY TO MICROORGANISMS	CRUSTACEA
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC		1000: 48 H DAPHNIA MAGNA MG/L EC50
ZINC ALKYLDITHIOPHOSPHATE		1 - 1.5: 48 H DAPHNIA MAGNA MG/L EC50

PERSISTENCE AND DEGRADABILITY:

CHEMICAL NAME	PARTITION COEFFICIENT
ZINC ALKYLDITHIOPHOSPHATE 4259-15-8	2.86

OTHER ADVERSE EFFECTS: NO INFORMATION AVAILABLE

13. DISPOSAL CONSIDERATIONS



WASTE TREATMENT METHODS:

DISPOSAL OF WASTES:

DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE REGIONAL, NATIONAL AND LOCAL LAWS AND REGULATIONS.

CONTAMINATED PACKAGING: DO NOT REUSE CONTAINER.

CHEMICAL NAME	CALIFORNIA HAZARDOUS WASTE STATUS
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ZINC ALKYLDITHIOPHOSPHATE 4259-15-8	TOXIC
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14. TRANSPORT INFORMATION



DOT: NOT REGULATED

ICAO (AIR): NOT REGULATED

IATA: NOT REGULATED

15. REGULATORY INFORMATION



INTERNATIONAL INVENTORIES:

TSCA:

ALL COMPONENTS OF THIS MATERIAL ARE ON THE US TSCA INVENTORY OR ARE EXEMPT.

DSL/NDSL: DOES NOT COMPLY

EINECS/ELINCS: DOES NOT COMPLY

ENCS: DOES NOT COMPLY

IECSC: DOES NOT COMPLY

KECL: DOES NOT COMPLY

PICCS: DOES NOT COMPLY

AICS: DOES NOT COMPLY

LEGEND:

TSCA: UNITED STATES TOXIC SUBSTANCES CONTROL ACT SECTION 8(B) INVENTORY

DSL/NDSL: CANADIAN DOMESTIC SUBSTANCES LIST/NON-DOMESTIC SUBSTANCES LIST

EINECS/ELINCS:

EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES/EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES

ENCS: JAPAN EXISTING AND NEW CHEMICAL SUBSTANCES

IECSC: CHINA INVENTORY OF EXISTING CHEMICAL SUBSTANCES

KECL: KOREAN EXISTING AND EVALUATED CHEMICAL SUBSTANCES

PICCS: PHILIPPINES INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES

AICS: AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES

US FEDERAL REGULATIONS:

SARA 313:

SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA). THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF THE ACT AND TITLE 40 OF THE CODE OF FEDERAL REGULATIONS, PART 372

CHEMICAL NAME	CAS NO.	SARA 313 - THRESHOLD VALUES %
ZINC ALKYL-DITHIOPHOSPHATE - 4259-15-8	4259-15-8	1.0

SARA 311/312 HAZARD CATEGORIES:

- ACUTE HEALTH HAZARD: NO
- CHRONIC HEALTH HAZARD: NO
- FIRE HAZARD: NO
- SUDDEN RELEASE OF PRESSURE HAZARD: NO
- REACTIVE HAZARD: NO

CWA (CLEAN WATER ACT):

THIS PRODUCT DOES NOT CONTAIN ANY SUBSTANCES REGULATED AS POLLUTANTS PURSUANT TO THE CLEAN WATER ACT (40 CFR 122.21 AND 40 CFR 122.42)

CHEMICAL NAME	CWA - REPORTABLE QUANTITIES	CWA - TOXIC POLLUTANTS	CWA - PRIORITY POLLUTANTS	CWA - HAZARDOUS SUBSTANCES
ZINC ALKYL-DITHIOPHOSPHATE 4259-15-8		X		

CERCLA:

THIS MATERIAL, AS SUPPLIED, DOES NOT CONTAIN ANY SUBSTANCES REGULATED AS HAZARDOUS SUBSTANCES UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) (40 CFR 302) OR THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) (40 CFR 355). THERE MAY BE

SPECIFIC REPORTING REQUIREMENTS AT THE LOCAL, REGIONAL, OR STATE LEVEL
PERTAINING TO RELEASES OF THIS MATERIAL

US STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

THIS PRODUCT DOES NOT CONTAIN ANY PROPOSITION 65 CHEMICALS

U.S. STATE RIGHT-TO-KNOW REGULATIONS:

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
ZINC ALKYL DITHIOPHOSPHATE 4259-15-8	X		X

U.S. EPA LABEL INFORMATION:

EPA PESTICIDE REGISTRATION NUMBER: NOT APPLICABLE

16. OTHER INFORMATION



NFPA:

HEALTH HAZARDS	1
FLAMMABILITY	1
INSTABILITY	0

PHYSICAL AND CHEMICAL PROPERTIES

HMIS:

HEALTH HAZARDS	1
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION	X

ISSUE DATE: 11-FEB-2013

REVISION DATE: 23-APR-2014

REVISION NOTE: NO INFORMATION AVAILABLE

DISCLAIMER:

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.

