

Safety Data Sheet

BASE STOCK 70L

SECTION 1. MATERIAL AND COMPANY IDENTIFICATION

PRODUCT NAME:	BASE STOCK 70L
VERSION:	OCTOBER 2015
MANUFACTURER:	PACIFIC FUNCTIONAL FLUIDS, LLC 2244 PORT OF TACOMA ROAD TACOMA, WA 98421-3607
CUSTOMER SERVICE:	253-284-4302 / 888-586-7295
EMERGENCY HEALTH AND SAFETY NUMBER:	CHEMTREC: 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION



WARNING

APPEARANCE:	AMBER LIQUID, MILD PETROLEUM ODOR
HEALTH HAZARDS:	MAY BE HARMFUL IF SWALLOWED. MAY IRRITATE EYES AND SKIN.
INHALATION (BREATHING):	THIS PRODUCT IS NOT LIKELY TO PRESENT AN INHALATION HAZARD AT NORMAL TEMPERATURES. HOWEVER, VAPOR OR MIST (GENERATED AT HIGH TEMPERATURES ONLY) MAY RESULT IN MILD IRRITATION OR THE UPPER RESPIRATORY TRACT. IF BREATHING DIFFICULTIES DEVELOP, MOVE AWAY FROM SOURCE TO FRESH AIR AND SEEK MEDICAL ATTENTION.
EYES:	MAY CAUSE IRRITATION. USE OF SAFETY GLASSES OR GOGGLES SUGGESTED.
SKIN:	PROLONGED CONTACT MAY RESULT IN SLIGHT IRRITATION, DRYING, AND CRACKING. GOOD INDUSTRIAL HYGIENE PRACTICE SUGGESTS THE USE OF NITRILE GLOVES AS PART OF GENERAL PPE.
INGESTION:	DO NOT SWALLOW. MAY BE HARMFUL IF SWALLOWED. DO NOT INDUCE VOMITING. MAY CAUSE THROAT IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. IF SERIOUS SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.

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MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

PRE-EXISTING SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS	COMPONENT	PERCENT
64742-70-7	PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY	>45%
64742-70-7	PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY	>45%
PROPRIETARY	ADDITIVES	<5%

SECTION 4. FIRST AID MEASURES

INHALATION (BREATHING):

FIRST AID NOT NORMALLY REQUIRED, BUT IF BREATHING DIFFICULTIES DEVELOP, MOVE VICTIM TO FRESH AIR AND GIVE OXYGEN. OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSON. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

EYES:

IF IRRITATION OR REDNESS FROM EXPOSURE DEVELOPS, CHECK FOR CONTACTS AND REMOVE IF POSSIBLE BEFORE FLUSHING WITH CLEAN WATER FOR 15 MINUTES. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

SKIN:

REMOVE CONTAMINATED CLOTHING AND SHOES. WASH SKIN WITH SOAP AND WATER, OR A WATERLESS HAND CLEANER. IF IRRITATION OR REDNESS OCCURS, SEEK MEDICAL ATTENTION.

INGESTION

(SWALLOWING):

DO NOT INDUCE VOMITING. VOMITING MIGHT RESULT IN ASPIRATION OF THE LUNGS. FIRST AID NOT NORMALLY REQUIRED FOR SMALL AMOUNTS. IF LARGE AMOUNTS ARE SWALLOWED, SEEK MEDICAL ATTENTION IMMEDIATELY.

NOTE TO

PHYSICIAN:

ACUTE ASPIRATIONS OF LARGE AMOUNTS OF OIL LADEN MATERIAL MAY PRODUCE A SERIOUS ASPIRATION PNEUMONIA. PATIENTS WHO ASPIRATE THESE OILS SHOULD BE FOLLOWED FOR THE DEVELOPMENT OF LONG TERM SEQUELAE. TREATMENT MAY VARY WITH CONDITION OF VICTIM AND SPECIFICS OF INCIDENT.

SECTION 5. FIREFIGHTING MEASURES

NFPA RATING: HEALTH: 1 FIRE: 1 REACTIVITY: 0

HAZARD SCALE: 0 = MINIMAL; 1 = SLIGHT; 2 = MODERATE; 3 = SERIOUS; 4 = SEVERE;

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE (CO₂), FOAM, OR WATER SPRAY IS RECOMMENDED. CARBON DIOXIDE (CO₂) CAN DISPLACE OXYGEN. USE CAUTION WHEN APPLYING CARBON

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DIOXIDE (CO₂) IN CONFINED SPACES. SIMULTANEOUS USE OF FOAM AND WATER ON THE SAME SURFACE IS TO BE AVOIDED AS WATER DESTROYS THE FOAM. DO NOT USE WATER JET.

CONDITIONS OF FLAMMABILITY, COMBUSTION: PRODUCT MAY BURN IF INVOLVED IN FIRE, BUT DOES NOT IGNITE READILY. COMBUSTION MAY YIELD SMOKE, CARBON MONOXIDE, AND OTHER PRODUCTS OF INCOMPLETE COMBUSTION. OXIDES OF SULFUR, NITROGEN, OR PHOSPHORUS MAY ALSO BE FORMED. HEATED CONTAINERS MAY RUPTURE.

SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS: EMERGENCY RESPONDER SHOULD WEAR PROTECTIVE CLOTHING. DO NOT ENTER CONFINED SPACES UNLESS WEARING A SELF-CONTAINED BREATHING APPARATUS.

SECTION 6. ACCIDENTAL RELEASE MEASURES

REMOVE ALL IGNITION SOURCES. STOP SPILL/RELEASE IF CAN BE DONE SAFELY. PREVENT SPILLED MATERIAL FROM ENTERING SEWERS, STORM DRAINS, OTHER UNAUTHORIZED DRAINAGE SYSTEMS, AND NATURAL WATERWAYS. CONTAIN SPILL AS A LIQUID FOR POSSIBLE RECOVERY, OR USE COMPATIBLE SORBENT MATERIAL AND SHOVEL WITH A SPARK PROOF TOOL INTO A SEALABLE CONTAINER. USE WATER SPARINGLY TO MINIMIZE ENVIRONMENTAL CONTAMINATION AND REDUCE DISPOSAL REQUIREMENTS. IF SPILL OCCURS ON WATER NOTIFY APPROPRIATE AUTHORITIES. ANY SPILLS OCCURRING ON NAVIGABLE WATERWAY OR SHORELINE THAT CAUSE A SHEEN OR DISCOLORATION ON THE SURFACE NOTIFY LOCAL AND /OR FEDERAL AUTHORITIES. IN CASE OF SOIL CONTAMINATION, REMOVE CONTAMINATED SOIL AND DISPOSE ACCORDING TO LOCAL REGULATIONS.

SECTION 7. HANDLING AND STORAGE

HANDLING PROCEDURES: KEEP AWAY FROM SPARKS AND FLAMES. WASH THOROUGHLY AFTER HANDLING. USE GOOD PERSONAL HYGIENE AND WEAR APPROPRIATE PERSONAL PROTECTION EQUIPMENT. USE CLEAN TOOLS AND EXPLOSION PROOF EQUIPMENT. WHEN TRANSFERRING PRODUCT, METAL CONTAINERS, INCLUDING RAILCARS AND TANK TRUCKS, SHOULD BE GROUNDED AND BONDED. WHILE THIS PRODUCT DOES NOT POSE AN INHALATION HAZARD UNDER NORMAL CONDITIONS, AVOID BREATHING VAPOR AND MIST. USE IN WELL VENTILATED AREAS. AVOID CONTACT WITH EYES, SKIN, CLOTHING, AND SHOES. DO NOT WALK THRU ANY SPILLED OIL AS OIL IS SLIPPERY ON FLOORS.

SHIPPING AND STORAGE: KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE AND DURING TRANSPORT. STORE CONTAINERS IN COOL, DRY AREAS AWAY FROM HEAT SOURCES. DO NOT PRESSURIZE, CUT, GRIND, WELD, DRILL, BRAZE, SOLDER, OR PUNCTURE CONTAINERS. EMPTY PRODUCT CONTAINERS MAY CONTAIN PRODUCT RESIDUE AND CAN BE DANGEROUS.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS:

U.S. OSHA TABLE Z-1 LIMITS FOR AIR CONTAMINANTS:

OIL MIST (IF GENERATED): PEL 5 MG/M³

U.S. ACGIH THRESHOLD LIMIT VALUE:

OIL MIST (IF GENERATED INHALABLE FRACTION): TWA 5 MG/M³

U.S. NIOSH (POCKET GUIDE TO CHEMICAL HAZARDS):

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OIL MIST (IF GENERATED):

STEL 10 MG/M3
TWA 5 MG/M3

ACCIDENTAL EXPOSURE TO HIGH CONCENTRATIONS OF MISTS OR VAPORS GENERATED DURING USE MAY CAUSE IRRITATION OF THE EYES, NOSE, AND RESPIRATORY TRACT.

ENGINEERING CONTROLS:

PROVIDE GENERAL VENTILATION NEEDED TO MAINTAIN AIRBORNE CONCENTRATION BELOW ESTABLISHED EXPOSURE LIMITS. WHEN GENERAL VENTILATION IS UNAVOIDABLE, ADDITIONAL ENGINEERING CONTROLS MAY BE REQUIRED.

PERSONAL PROTECTIVE EQUIPMENT; RESPIRATORY:

WHERE THERE IS POTENTIAL FOR AIRBORNE EXPOSURE ABOVE THE EXPOSURE LIMITS SET, USE OF A NIOSH CERTIFIED P OR R SERIES PARTICULATE FILTER AND ORGANIC VAPOR CARTRIDGE IS RECOMMENDED. AIR PURIFYING RESPIRATORS PROVIDE LIMITED PROTECTION. SELECTION AND USE OF RESPIRATORY PROTECTIVE EQUIPMENT SHOULD BE IN ACCORDANCE WITH OSHA REGULATIONS. CONSULT A QUALIFIED INDUSTRIAL HYGIENIST, SAFETY PROFESSIONAL, OR ENGINEERING PROFESSIONAL FOR SPECIFIC SELECTION GUIDELINES.

PERSONAL PROTECTIVE EQUIPMENT; EYES/FACE:

GOOD INDUSTRIAL HYGIENE PRACTICE SUGGESTS THE USE OF SAFETY GLASSES/FACE SHIELDS WHENEVER WORKING WITH OILS AND CHEMICALS. USE OF CONTACTS NOT RECOMMENDED.

PERSONAL PROTECTIVE EQUIPMENT; SKIN/HAND:

GOOD INDUSTRIAL HYGIENE PRACTICE SUGGESTS THE USE OF CHEMICAL IMPERVIOUS GLOVES OR OTHER APPROPRIATE SKIN PROTECTION WHEN WORKING WITH CHEMICALS. NITRILE IS SUGGESTED PROTECTIVE MATERIAL. TO AVOID PROLONGED OR REPEATED CONTACT WEAR APPROPRIATE CHEMICAL RESISTANT FACE SHIELD, BOOTS, APRON, WHOLE BODY SUITS, OR OTHER PROTECTIVE CLOTHING.

PERSONAL PROTECTIVE EQUIPMENT; PERSONAL HYGIENE:

USE GOOD PERSONAL HYGIENE. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING, DRINKING, OR USING TOBACCO PRODUCTS. CLEAN CONTAMINATED CLOTHING, SHOES, AND PROTECTIVE EQUIPMENT BEFORE REUSING. DISCARD LEATHER ARTICLES SATURATED WITH PRODUCT.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: AMBER/BROWN, CLEAR

ODOR: MILD

POUR POINT: 24.8 F (-4 C)

VISCOSITY: >20 MM²/S @ 40°C

POUR POINT: -12° C

BOILING POINT: > 600°F (>316C)

FLASH POINT: >300 F (>149C) ASTM D-92

FLAMMABILITY LIMIT-LOWER: >0.6%

EVAPORATION RATE: NO DATA

FREEZE POINT: N/A

VAPOR PRESSURE: <0.1 MM HG (20C)

VAPOR DENSITY: >2

MISCIBILITY W/WATER: IMMISCIBLE

PH: NO DATA

FLAMMABILITY: MAY IGNITE IN FIRE

FLAMMABILITY LIMIT-UPPER: <7%

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SECTION 10. STABILITY AND REACTIVITY

STABILITY: STABLE UNDER NORMAL TEMPERATURES AND ANTICIPATED CONDITIONS OF USE. AVOID SPARKS OR FLAMES.

INCOMPATIBILITY: INCOMPATIBLE WITH STRONG OXIDIZING AND REDUCING AGENTS.

REACTIVITY: NO CHEMICAL REACTIVITY KNOWN TO OCCUR.

HAZARDOUS REACTIONS: HAZARDOUS REACTIONS NOT KNOWN TO OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES, SULFUR OXIDES, HYDRCARBONS

CONDITIONS TO AVOID: AVOID SPARKS, FLAMES, AND INCOMPATIBLE MATERIALS. AVOID EXTENDED EXPOSURE TO HIGH TEMPERATURES AS THIS CAN CAUSE DECOMPOSITION.

SECTION 11. TOXICOLOGICAL INFORMATION

INHALATION: UNLIKELY TO BE HARMFUL. BUT, INHALING SMALL TO LARGE AMOUNTS REPEATEDLY COULD CAUSE MODERATE TO SEVERE DAMAGE TO LUNG TISSUE.

INGESTION: UNLIKELY TO BE HARMFUL. MAY CAUSE TRANSIENT GASTROINTESTINAL EFFECTS BUT UNLIKELY TO CAUSE SYSTEMIC TOXICITY. INGESTION OF LARGE AMOUNTS MAY CAUSE INTESTINAL IRRITATION, NAUSEA, AND DIAHREA.

DERMAL: NOT EXPECTED TO BE IRRITATING UNDER NORMAL HANDLING CONDITIONS WITH PROPER PPE USE. CONTACT MAY REMOVE SKIN OILS. REPEATED UNPROTECTED AND PROLONGED EXPOSURE MAY CAUSE SKIN IRRITATION OR DRYNESS. NO INFORMATION ON SKIN SENSITIZATION AVAILABLE.

EYE CONTACT: NOT EXPECTED TO BE IRRITATING UNDER NORMAL HANDLING IF CONDITIONS WHEN USING PROPER PPE. POSSIBLE IRRITATION AND DISCOMFORT IF EYES ARE REPEATEDLY EXPOSED. UNLIKELY TO CAUSE PERMANENT INJURY TO EYE TISSUE.

SPECIFIC ORGAN TOXICITY/SINGLE OR REPEATED EXPOSURE: NO INFORMATION AVAILABLE ON MIXTURE, HOWEVER NONE OF THE COMPONENTS HAVE BEEN CLASSIFIED FOR TARGET ORGAN TOXICITY, OR ARE BELOW THE CONCENTRATION THRESHOLD FOR CLASSIFICATION.

CARCINOGENICITY: NO INFORMATION AVAILABLE ON MIXTURE, HOWEVER NONE OF THE COMPONENTS HAVE BEEN CLASSIFIED FOR TARGET ORGAN TOXICITY, OR ARE BELOW THE CONCENTRATION THRESHOLD FOR CLASSIFICATION.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY:

THE PRODUCT IS NOT CLASSIFIED AS ENVIRONMENTALLY HAZARDOUS. HOWEVER, THIS DOES NOT EXCLUDE THE POSSIBILITY THAT LARGE OR FREQUENT SPILLS CAN HAVE A HARMFUL OR DAMAGING EFFECT ON THE ENVIRONMENT.

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PERSISTENCE AND DEGRADABILITY: PRODUCT IS EXPECTED TO BE SLOWLY BIODEGRADABLE.

MOBILITY IN SOIL: NO DATA AVAILABLE

MOBILITY IN GENERAL: PRODUCT IS INSOLUBLE IN WATER.

OTHER ADVERSE EFFECTS: OIL SPILLS ARE GENERALLY HAZARDOUS TO THE ENVIRONMENT.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSE IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. THE GENERATOR OF A WASTE IS ALWAYS RESPONSIBLE FOR MAKING PROPER HAZARDOUS WASTE DETERMINATIONS. REGULATIONS MAY ALSO APPLY TO EMPTY CONTAINERS.

THIS MATERIAL UNDER MOST INTENDED USES WOULD BECOME "USED OIL" AFTER CONTAMINATION DUE TO CHEMICAL OR PHYSICAL IMPURITIES AFTER USE. WHENEVER POSSIBLE, RECYCLE USED OIL IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, OR FEDERAL REGULATIONS.

SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING NAME: NOT REGULATED FOR TRANSPORT

IMDG SHIPPING NAME: NOT REGULATED FOR TRANSPORT

HOWEVER, THIS PRODUCT IS A LIQUID AND IF TRANSPORTED IN BULK IS COVERED UNDER MARPOL 73/78, ANNEX I.

IATA/ICAO SHIPPING NAME: NOT REGULATED FOR TRANSPORT

SECTION 15. REGULATORY INFORMATION

CERCLA/SARA: THIS MATERIAL DOES NOT CONTAIN ANY CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA 302/304 AND 40 CFR 372.

CERCLA/SARA SECTION 311/312:	ACUTE =	NO
	CHRONIC =	NO
	FIRE HAZARD =	NO
	PRESSURE HAZARD =	NO
	REACTIVE HAZARD =	NO

CERCLA/SARA SECTION 313 & 40 CFR 372: THIS MATERIAL DOES NOT CONTAIN ANY CHEMICALS SUBJECT TO REPORTING REQUIREMENTS.

EPA/CERCLA REPORTABLE QUANTITIES: THIS MATERIAL DOES NOT CONTAIN ANY CHEMICALS WITH REPORTABLE QUANTITIES.

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TSCA: ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON, OR ARE AUTOMATICALLY INCLUDED AS “NATURALLY OCCURRING CHEMICAL SUBSTANCES” ON, OR ARE EXEMPTED FROM THE REQUIREMENTS TO BE LISTED ON, THE TSCA INVENTORY.

SECTION 16. OTHER INFORMATION

USER ASSUMES ALL RISKS INCIDENT TO THE USE OF THIS PRODUCT. TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, PACIFIC FLUIDS LLC ASSUMES NO LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, ARE MADE WITH RESPECT TO INFORMATION OR PRODUCT TO WHICH INFORMATION REFERS. THE DATA CONTAINED ON THIS SHEET SPECIFIC TO THE PRODUCT SUPPLIED TO THE USER.