

Safety Data Sheet

SOLVENT 140

SECTION 1. MATERIAL AND COMPANY IDENTIFICATION

PRODUCT NAME: SOLVENT 140
VERSION: APRIL 2017
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



DANGER

APPEARANCE: AMBER LIQUID, PETROLEUM ODOR

HAZARD STATEMENTS

H227: COMBUSTIBLE LIQUID.
H303 + H333: MAY BE HARMFUL IF SWALLOWED OR INHALED.
H318: CAUSES SERIOUS EYE DAMAGE.
H315: CAUSES SKIN IRRITATION

PRECAUTIONARY STATEMENT(S)

GENERAL:

P261: AVOID BREATHING DUST/FUMES/GAS/MIST/VAPORS/SPRAY.
P240: GROUND AND BOND CONTAINER AND RECEIVING EQUIPMENT.
P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: CAUTION! COMBUSTIBLE LIQUID AND VAPOR. HARMFUL OR FATAL IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE. MAY CAUSE EYE AND SKIN IRRITATION OR INJURY. PROLONGED OR REPEATED SKIN CONTACT MAY INCREASE THE RISK OF CANCER.

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POTENTIAL HEALTH EFFECTS

EYES: LIQUID OR VAPOR MAY CAUSE EYE IRRITATION.

SKIN: LIQUID IS MODERATELY IRRITATING TO THE SKIN. PROLONGED OR REPEATED CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS (RASH).

INGESTION: LIQUID IS MODERATELY TOXIC AND MAY BE HARMFUL IF SWALLOWED; MAY PRODUCE CNS DEPRESSION. INGESTION OF PRODUCT MAY RESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMIT INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES MAY RESULT IN ASPIRATION PNEUMONIA.

INHALATION (BREATHING): VAPORS MAY BE IRRITATING TO THE NOSE, THROAT, AND RESPIRATORY TRACT. EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION.

MEDICAL CONDITIONS AGGRAVATED: PRE-EXISTING LUNG OR SKIN CONDITIONS MAY BE AGGRAVATED BY REPEATED EXPOSURE. MAY CAUSE SKIN AND LIVER DISEASE, MAY ATTACK RESPIRATORY TRACT.

COMMENTS HEALTH: LABORATORY STUDIES HAVE SHOWN THAT PETROLEUM DISTILLATES MAY CAUSE KIDNEY, LIVER, OR LUNG DAMAGE. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS	CHEMICAL NAME	PERCENT
64742-88-7	SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC	100

SECTION 4. FIRST AID MEASURES

INHALATION: MOVE VICTIM TO FRESH AIR AND GIVE OXYGEN. OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSON. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

EYES: CHECK FOR CONTACTS AND REMOVE BEFORE FLUSHING WITH CLEAN WATER FOR AT LEAST 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: DO NOT INDUCE VOMITING. VOMITING MIGHT RESULT IN ASPIRATION OF THE LUNGS. SEEK MEDICAL ATTENTION IMMEDIATELY.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS, AND NAUSEA; IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR. ASPIRATION PNEUMONIA MAY BE EVIDENCED BY COUGHING, LABORED BREATHING, AND CYANOSIS.

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SECTION 5. FIREFIGHTING MEASURES

NFPA RATING: HEALTH: 1 FIRE: 2 REACTIVITY: 0
HAZARD SCALE: 0 = MINIMAL; 1 = SLIGHT; 2 = MODERATE; 3 = SERIOUS; 4 = SEVERE;

EXTINGUISHING MEDIA: DRY CHEMICAL, CO₂, ALCOHOL FOAM, AND WATER FOG.

HAZARDOUS COMBUSTION PRODUCTS: CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

EXPLOSION HAZARDS: WHEN HEATED ABOVE FLASH POINT, THIS MATERIAL EMITS FLAMMABLE VAPORS WHICH, WHEN MIXED WITH AIR, CAN BURN OR BE EXPLOSIVE. FINE MISTS OR SPRAYS MAY BE FLAMMABLE AT TEMPERATURES BELOW THE FLASH POINT.

FIRE FIGHTING PROCEDURES: CLEAR FIRE AREA OF ALL NON-EMERGENCY PERSONNEL. 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. CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER TO PREVENT WEAKENING OF CONTAINER STRUCTURE WHICH COULD RESULT IN CONTAINER RUPTURE/FAILURE.

SPECIAL PROTECTIVE ACTIONS FOR FIREFIGHTERS: THE USE OF SCBA IS RECOMMENDED FOR FIREFIGHTERS. WATER SPRAY MAY BE USED COOL CONTAINERS EXPOSED TO HEAT OR FLAMES.

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

GENERAL PROCEDURES: KEEP AWAY FROM HEAT, SPARKS, AND FLAME. SURFACES THAT ARE HOT MAY IGNITE EVEN LIQUID PRODUCT IN THE ABSENCE OF SPARKS OR FLAME. EXTINGUISH PILOT LIGHTS, CIGARETTES, AND TURN OFF OTHER SOURCES OF IGNITION PRIOR TO USE AND UNTIL ALL VAPORS ARE GONE.

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 OR EXPLOSIVE.

COMMENTS: KEEP OUT OF REACH OF CHILDREN! EMPTY CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT, FLAMES, SPARKS, OR STATIC ELECTRICITY.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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.

RESPIRATORY:

WHERE THERE IS POTENTIAL FOR AIRBORNE EXPOSURE ABOVE THE EXPOSURE LIMITS SET, USE OF A NIOSH CERTIFIED PARTICULATE FILTER AND ORGANIC VAPOR CARTRIDGE IS RECOMMENDED. SELECTION AND USE OF RESPIRATORY PROTECTIVE EQUIPMENT SHOULD BE IN ACCORDANCE WITH OSHA 29 CFR 1910.134. CONSULT A QUALIFIED INDUSTRIAL HYGIENIST, SAFETY PROFESSIONAL, OR ENGINEERING PROFESSIONAL FOR SPECIFIC SELECTION GUIDELINES.

EYES/FACE:

GOOD INDUSTRIAL HYGIENE PRACTICE SUGGESTS THE USE OF SAFETY GLASSES/FACE SHIELD WHENEVER WORKING WITH CHEMICALS AND SPLASHING IS POSSIBLE. USE OF CONTACTS NOT RECOMMENDED.

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 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: CLEAR, COLORLESS

PHYSICAL STATE: LIQUID

SPECIFIC GRAVITY: 0.768 – 0.810

VISCOSITY: NO DATA

FREEZING POINT: NO DATA

BOILING POINT: 185°C – 251°C

FLASH POINT: 141.8°F - 145.8°F CLOSED CUP

AUTO IGNITION TEMP: > 316°C

ODOR: HYDROCARBON

EVAPORATION RATE: < ETHER

VAPOR PRESSURE: NO DATA

VAPOR DENSITY: > AIR

MISCIBILITY W/WATER: IMMISCIBLE

PH: NO DATA

FLAMMABILITY: MAY IGNITE

MELTING POINT: NO DATA

SECTION 10. STABILITY AND REACTIVITY

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

POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITY: INCOMPATIBLE WITH STRONG OXIDIZING.

CONDITIONS TO AVOID: AVOID HEAT, SPARKS, FLAME, AND CONTACT WITH STRONG OXIDIZING AGENTS.

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HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAYBE FORMED DURING COMBUSTION. NO DECOMPOSITION IF STORED AND APPLIED AS DIRECTED.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE

CHEMICAL NAME: SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC

ORAL LD₅₀ (RAT) : >5000

DERMAL LD₅₀ (RABBIT) : >3000

INHALATION LC₅₀ (RAT) : >5500

DERMAL LD₅₀: >2000 MG/KG (RAT)

SKIN ABSORPTION: SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC: EXPECT TO BE LOW TOXICITY: LD 50 >3000 MG/KG, RAT).

ORAL LD₅₀: 5000 ML/KG (RAT)

NOTES: ASPIRATION INTO THE LUNGS WHEN SWALLOWED OR VOMITED MAY CAUSE CHEMICAL PNEUMONIA WHICH CAN BE FATAL.

NOTES: LOW TOXICITY: LC₅₀ GREATER THAN NEAR SATURATED VAPOR CONCENTRATION. 1 HOUR, RAT.

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.

SKIN: MAY CAUSE MODERATE IRRITATION TO SKIN. PROLONGED/REPEATED CONTACT MAY CAUSE DEFATTING OF THE SKIN WHICH CAN LEAD TO DERMATITIS.

CHRONIC: CARDIOVASCULAR SYSTEM: CHRONIC ABUSE OF SIMILAR MATERIALS HAS BEEN ASSOCIATED WITH IRREGULAR HEART RHYTHMS AND CARDIAC ARREST. CENTRAL NERVOUS SYSTEM; REPEATED EXPOSURE AFFECTS THE NERVOUS SYSTEM.

REPEATED EXPOSURE: REPEATED DOSE TOXICITY; KIDNEY: CAUSED KIDNEY EFFECTS IN MALE RATS WHICH ARE NOT CONSIDERED RELEVANT TO HUMANS.

CARCINOGENICITY: REPEATED EXPOSURE CAUSES SKIN TUMOR PROMOTION IN EXPERIMENTAL ANIMALS.

SECTION 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: ABSORBS TO SOIL AND HAS LOW MOBILITY. READILY BIODEGRADABLE. OXIDIZES RAPIDLY BY PHOTO-CHEMICAL REACTIONS IN AIR.

ECOTOXICOLOGICAL INFORMATION: AVOID UNCONTROLLED RELEASES OF THIS MATERIAL. WHERE SPILLS ARE POSSIBLE, A COMPREHENSIVE SPILL RESPONSE PLAN SHOULD BE DEVELOPED AND IMPLEMENTED

BIOACCUMULATION/ACCUMULATION: HAS POTENTIAL TO BIO ACCUMULATE.

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DISTRIBUTION: MOBILITY; FLOATS ON WATER.

AQUATIC TOXICITY (ACUTE): ACUTE TOXICITY FOR SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC:

FISH: LOW TOXICITY; LC/EC/IC50 >1000MG/L

AQUATIC INVERTEBRATES: LOW TOXICITY; LC/EC/IC50 >1000 MG/L

ALGAE: LOW TOXICITY; LC/EC/IC50 >100 MG/L

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.

EMPTY CONTAINERS: KEEP OUT OF REACH OF CHILDREN! EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE DANGEROUS. CONTAMINATED PACKAGING SHOULD BE EMPTIED AS FAR AS POSSIBLE. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION.

RCRA/ EPA WASTE INFORMATION: CHEMICAL WASTE GENERATORS MUST DETERMINE WHETHER A DISCARDED CHEMICAL IS CLASSIFIED AS A HAZARDOUS WASTE. US EPA GUIDELINES FOR THE CLASSIFICATION DETERMINATION ARE LISTED IN 40 CFR. ADDITIONALLY, WASTE GENERATORS MUST CONSULT STATE AND LOCAL HAZARDOUS WASTE REGULATIONS TO ENSURE COMPLETE AND ACCURATE CLASSIFICATION.

SECTION 14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S.

TECHNICAL NAME: NAPHTHA SOLVENT

PRIMARY HAZARD CLASS/DIVISION: COMBUSTIBLE LIQUID

UN/NA NUMBER: UN 1993

PACKING GROUP: III

ERG: 128

SECTION 15. REGULATORY INFORMATION

SARA TITLE III

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

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

302/304 EMERGENCY PLANNING:

EMERGENCY PLAN: TO THE BEST OF OUR KNOWLEDGE THIS PRODUCT IS NOT LISTED AS AN EXTREMELY HAZARDOUS SUBSTANCE.

TSCA: ALL COMPONENTS OF THIS PRODUCT ARE LISTED 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.