

SECTION I - PRODUCT IDENTIFICATION

Manufacturer: Rock Valley Oil & Chemical Co. Information Phone: 815/654-2400
1911 Windsor Road Emergency Phone: 815/654-2400

Rockford IL 61111
Product Class: Industrial lubricant
Trade Name : Power Steering Fluid
Product Code : NPSF (L-4338-A)
C.A.S. Number: N/A - Mixture
Prepared By : Claude Ingrassia
Title : MSDS Coordinator

Hazard Ratings: Health - 1
none -> extreme Fire - 1
0 ---> 4 Reactivity - 0

SECTION II - INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits		VP mm HG
			ACGIH/TLV	OSHA/PEL	
Sol. refined paraffinic oil	64742-54-7	50-75	5 mg/M3	5 mg/M3	0
Light distillate	64742-65-0	STEL = 10	mg/M3	N.E.	@ 68F
	64742-47-8	< 1.	5 mg/M3	5 mg/M3	0
Antifoam	63148-62-9	STEL =	N.E.	N.E.	@ 68F
		< 1.	N.E.	N.E.	0
Pet. hydrocarbon distillate	8008-20-6	STEL =	N.E.	N.E.	
		< 1.	N.E.	N.E.	.2
Zinc Alkyldithiophosphate	Complex mix.	STEL =	N.E.	N.E.	@ 68F
		< 1.	N.E.	N.E.	N/AV
Methacrylate polymer	Complex mix.	20-50	N.E.	N.E.	N/AV
		STEL =	N.E.	N.E.	

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory.

N.E. = Not Established

SECTION III - PHYSICAL DATA

Boiling Range: 300 - 698 Deg. F Vapor Density: Heavier than Air.
Evap. Rate: Slower than n-Butyl Acetate Liquid Density: Lighter than Water.
Volatiles vol % 0.0 Wgt% 0.0 Wgt per gallon: 7.34 Pounds.
Spec. Gravity: 0.88115

Appearance: Light amber fluid; mild petroleum odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: IIIB Flash Point: 400 F TOC LEL: N/D UEL: N/D

-EXTINGUISHING MEDIA:

Carbon Dioxide---Dry Chemical---Foam---Water Fog
Use water for cooling material stored in vicinity of fire.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA (cont.)

-SPECIAL FIREFIGHTING PROCEDURES:

Recommend self-contained breathing apparatus with a full facepiece operated in a pressure-demand mode and full body protective clothing. Treat as an oil fire.

-UNUSUAL FIRE & EXPLOSION HAZARDS:

When heated above flash point, this material will release flammable vapors which can burn or be explosive. Mists or sprays may be flammable at temperatures below flash point.

SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL:

No TLV established. For oil mists, OSHA and ACGIH recommend TLV 5 mg/m3, 8 hr. TWA.

-EFFECTS OF OVEREXPOSURE:

Eyes: May cause mild eye irritation, redness, tearing, blurred vision. Skin: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. Breathing: Excessive inhalation of vapors and/or spraymist can cause respiratory irritation, dizziness, weakness, fatigue, nausea, headache, unconsciousness and even asphyxiation. Swallowing: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea; aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

-FIRST AID:

Eyes: Flush with large amounts of water lifting eyelids occasionally; get prompt medical attention. Skin: Wash thoroughly with soap and water, remove contaminated clothing promptly; wash clothing before reuse. Swallowing: DO NOT induce vomiting! Keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal. Breathing: Move affected person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY: () Unstable [x] Stable
HAZARDOUS POLYMERIZATION: () May occur [x] Will not occur

-INCOMPATIBILITY

Avoid contact with strong oxidizers (e.g. nitric acid)

-CONDITIONS TO AVOID:

Keep away from heat and open flame. Overheating for extended periods will cause some degradation of a non-hazardous nature.

SECTION VI - REACTIVITY DATA (cont.)

-HAZARDOUS DECOMPOSITION PRODUCTS:

May form carbon monoxide and dioxide, various hydrocarbons, etc.

SECTION VII - SPILL OR LEAK PROCEDURES

-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

SMALL SPILL: Keep away from ignition sources (electrical, hot surfaces, etc.). Pick up spill with absorbent material.

LARGE SPILL: Contain spill to prevent entry into drains, sewers or waterways. Ventilate and keep traffic from area. Remove with absorbent material (or flush or vacuum) to closed container.

-WASTE DISPOSAL METHOD:

Recovered material should be packaged, labeled, transported, disposed of or reclaimed in compliance with applicable laws and regulations and in conformance with good safety and engineering practices. Reclaim where possible. CONSIDER RECYCLING.

SECTION VIII - SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION:

If TLV of the product is exceeded, a NIOSH/MSHA jointly approved air supply respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (see your safety equipmt. supplier). Engineering or administrative controls should be implemented to reduce exposure.

-VENTILATION:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

-PROTECTIVE GLOVES:

Chem/solvent resistant for prolonged contact.

-EYE PROTECTION:

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses (consult your safety equipment supplier).

-OTHER PROTECTIVE EQUIPMENT:

Boots, aprons, chem-resistant suits where deemed necessary to avoid contact during prolonged exposure.

SECTION IX - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Keep product away from heat, sparks, pilot lights, static electricity and open flame.

Avoid temperatures above 100 degrees F for prolonged periods.

(cont.)

SECTION IX - SPECIAL PRECAUTIONS (cont.)

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: (cont.)
-OTHER PRECAUTIONS:

Employees must practice good personal hygiene, washing exposed skin several times daily and laundering contaminated clothing before reuse.

ADDITIONAL COMMENTS:

DOT Hazard Classification: Non-hazardous
DOT Shipping Name: N/A
DOT I.D. No: N/A

The information presented herein is believed to be factual. It has been derived from the work and opinion of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a legal warranty or representation for which Rock Valley Oil & Chemical Co. bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine if they are appropriate.

N/A=Not available; N/A=Not applicable; N/D= Not determined

SECTION X - ADDITIONAL REGULATORY INFORMATION

RA TITLE III SECTION 313:

DATA This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	Percent by Weight
	None	

-PROP 65 (CARCINOGEN):

WARNING: This product may contain a chemical known to the state of California to cause cancer.

CAS#	Chemical Name
	None

-PROP 65 (TERATOGEN)

WARNING: This product may contain a chemical known to the state of California to cause birth defects or other reproductive harm.

CAS#	Chemical Name
	None

11357

Page: 5

Rock Valley Oil & Chemical Co.

Material Safety Data Sheet for: Power Steering Fluid(NPSF (L-4338-A))

=====

SECTION X - ADDITIONAL REGULATORY INFORMATION (cont.)

-PROP 65 (BOTH CARCINOGEN AND TERATOGEN)

WARNING: This product may contain a chemical known to the state of California to cause cancer or birth defects or other reproductive harm

CAS#

Chemical Name

None