

HEIN-WERNER JACK OIL

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List) Hydraulic Jack Oil
60178, 60179, 60180, 60188, 82009, 32114

Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Hein-Werner Corporation	Emergency Telephone Number (414) 542-6611
Address (Number, Street, City, State, and ZIP Code) 1005 Perkins Avenue	Telephone Number for Information (414) 542-6611
P.O. Box 1606	Date Prepared October, 1988
Waukesha, WI 53187-1606	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other: LD ₅₀ , Flash Point, etc.	% (optional)
Base Hydraulic Oil CAS 64742650		SMG/PM ⁵ for oil mist in air		99.15-98.80
Sulfur				.07- .10
Zinc				.04- .07
Phosphorus				.04- .05
Calcium				.01- .01

Section III — Physical/Chemical Characteristics

Boiling Point IBP-FBP	695-900	Specific Gravity (H ₂ O = 1)	.370
Vapor Pressure (mm Hg.)	0.01	Melting Point	NA
Vapor Density (AIR = 1)	12	Evaporation Rate (Butyl Acetate = 1)	0.01
Solubility in Water	Negligible		
Appearance and Odor	Red liquid, mild petroleum hydro carbon odor		

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Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Cleveland open cup 405F°	Flammable Limits LEL 1% UEL 6%
Extinguishing Media Foam, dry chemical, CO ₂ , water fog or spray	

Special Fire Fighting Procedures

Use air supplied equipment in enclosed areas. Cool exposed containers with water spray.

Do not mix or store with strong oxidants-like liquid chlorine or concentrated oxygen.

Unusual Fire and Explosion Hazards

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) Strong oxidants—like liquid chlorine, concentrated oxygen, sodium or calcium hypo-chlorine.

Hazardous Decomposition or Byproducts Fumes, smoke, carbon monoxide, sulfur oxides from incomplete combustion.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	X as a mist	X	X

Health Hazards (Acute and Chronic)
None noted. Could cause mild skin irritation in certain allergic individuals.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
No applicable information found.			

Signs and Symptoms of Exposure
Mild skin irritation

Medical Conditions Generally Aggravated by Exposure	Not applicable
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Emergency and First Aid Procedures
In case of skin contact, wash thoroughly with soap and warm water. If splashed into eyes, flush with clear water at least 15 minutes. If swallowed, consult physician.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Recover free liquid. Add absorbent to spill area. Keep out of sewers and waterways. Advise the proper authorities if product has or may enter sewers or waterways or land areas.

Waste Disposal Method
Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved waste disposal site.

Precautions to Be Taken in Handling and Storing
Keep containers closed when not in use. Do not handle or store near heat, sparks, flame, or strong oxidants.

Other Precautions
Avoid breathing oil mists.

Section VIII — Control Measures

Respiratory Protection (Specify Type)
Normally not needed. Use air supply respiratory protection in enclosed area.

Ventilation	Local Exhaust	Use local exhaust to capture fumes and vapors.	Special	Provide 60 FPM hood or face velocity in confined area.
	Mechanical (General)		Other	

Protective Gloves
Use chemical resistant gloves if needed.

Eye Protection
Face shield or goggles when eye contact may occur.

Other Protective Clothing or Equipment
Use chemical resistant apron or other clothing if needed to avoid prolonged skin contact.

Hygienic Practices
Remove oil-soaked clothing and launder before use. Discard oil-soaked shoes. Wash skin thoroughly after contact.