

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

Table with 2 columns: Manufacturer's Name, Address, P.O. Box, Waukesha, WI; Emergency Telephone Number, Telephone Number for Information, Date Prepared, Signature of Preparer.

Section II - Hazardous Ingredients/Identity information

Table with 4 columns: Hazardous Components (Specific Chemical Identity; Common Name(s)), OSHA PEL, ACGIH TLV, % (optional). Rows include Base Hydraulic Oil, Sulfur, Zinc, Phosphorus, Calcium.

Section III - Physical/Chemical Characteristics

Table with 4 columns: Property (Boiling Point, Vapor Pressure, Vapor Density, Solubility, Appearance and Color) and Value (695-900, 0.01, 12, Negligible, Red liquid, mild petroleum hydro carbon odor).

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Section IV - Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Values: Cleveland open cup 405F, 12, 62.

Extinguishing Media: Foam, dry chemical, CO2, 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

(Reproduces locality)

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

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.