MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Way Oil 20
Chemical Name: Hydraulic Oil
Chemical Family: Blend

Manufacturer: Scot Lubricants of PA
1801 E. Tremont Street
P.O. Box 326
Allentown, PA 18105

Emergency Telephone Numbers:
Information: 610-433-2527 8am-5pm EST M-F
CHEMTREC: 800-424-9300 24 hrs everyday

2. COMPOSITION/INFORMATION ON INGREDIENTS

EXPOSURE GUIDELINES			OSHA		ACGIH		
Component/CAS Number	LO%	HI%	TWA	STEL	TWA	STEL	UNIT
LIMITS FOR THE PRODUCT			5		5		MG/M3
HYDRO CARBON BASE OIL		95%					
ZINC DITHIOPHOSPHATE		5%					
ADDITIVE MIXTURE CONTAINING COMPOUNDS OF CA, MG, ZN, S, P, N							
			5 MG/M3				

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW
MAY CAUSE MINOR SKIN IRRITATION
APPEARANCE: DARK AMBER FLUID **ODOR**: LUBE OIL ODOR
POTENTIAL HEALTH EFFECTS:
INHALATION: NO EFFECTS EXPECTED. **INGESTION**: PRACTICALLY NON-TOXIC.
EYE CONTACT: EXPECTED TO BE MINOR EYE IRRITANT.
SKIN CONTACT: PRACTICALLY NON- TOXIC IF ABSORBED (LD50 > 2000 MG/KG). MAY CAUSE MODERATE IRRITATION WITH PROLONGED OR REPEATED CONTACT.
CARCINOGEN LISTED BY: IARC (N0) NTP (NO) OSHA (NO) ACGIH (NO) OTHER (NO)

NFPA/HMIS CLASSIFICATION	**HAZARD RATING**	
HEALTH – 0/0	**0= LEAST**	**1=SLIGHT**
FLAMMABILITY – 1/1	**2=MODERATE**	**3=HIGH**
REACTIVITY – 0/0	**4=EXTREME**	

4. FIRST AID MEASURES

INHALATION: Move to fresh air.
EYE CONTACT: Flush with water for at least 15 minutes. If irritation persists, obtain medical assistance.
SKIN CONTACT: Wash with soap and water until no odor remains. Wash clothing before reuse.
INGESTION: If more than a half-cup is ingested give quantities of water, induce vomiting, and obtain medical attention.

5. Fire Fighting Measures

FLASHPOINT (METHOD): 374°F Minumum COC; 190°C Minimum COC
FLAMMABLE LIMITS: Not established
AUTO-IGNITION TEMP: 675°F Estimated; 359°C Estimated
FIRE AND EXPLODING HAZARDS: Can be made to burn (flash point >200°F
EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide (CO2), foam.
FIRE FIGHTING INSTRUCTIONS: **W**ear self-contained breathing. Wear structural fire-fighting protective clothing.
HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. Accidental Release Measures

SPILLS OR LEAKS: Contain spill. Use personal protective equipment stated in section 8. Advise EPA, state agency, if required. Absorb on inert material, shovel, sweep or vacuum spill.

7. Handling and Storage

NFPA Class IIIB Storage. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

VENTILATION: Ventilate as needed to comply with exposure limit. Mechanical ventilation recommended.
PERSONAL PROTECTIVE EQUIPMENT:
EYE: Splash proof chemical goggles recommended to protect against splash of product.
GLOVES: Protective gloves recommended when prolonged skin contact cannot be avoided. The following glove materials are acceptable: polyvinyl chloride (PVC); neoprene; nitrile; polyvinyl alcohol; viton.
RESPIRATOR: Concentration in air determines protection needed. Use only NIOSH certified respiratory protection. Respiratory protection usually not needed unless product is heated or misted.
OTHER: If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyvinyl alcohol (PVA); polyvinyl chloride (PVC); neoprene; nitrile; viton; polyurethane; launder soiled clothes.

9. Physical and Chemical Properties

APPEARANCE/ODOR: AMBER FLUID/SLIGHT ODOR.
VAPOR PRESSURE: NIL (MM HG @ 20°C)
MOLECULAR WEIGHT: N/A (G/MOLE)
SOLUBILITY IN WATER: NIL (% BY VOLUME)
EVAPORATION RATE: 1000X SLOWER (ETHYL ETHER=1)
SPECIFIC GRAVITY: 0.910 (WATER=1)
VISCOSITY: 77.5 SUS @ 210°F 103 cSt @ 40°C

BOILING POINT: HIGH
MELTING POINT: N/A
PACKING DENSITY: N/A
OCTANOL/WATER COEFF: N.D.
ODOR THRESHOLD: N.D.
VAPOR DENSITY: 10+ (AIR =1)

10. Stability and Reactivity

STABILITY: Stable.
CONDITIONS TO AVOID: None known.
MATERIALS TO AVOID: Strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION: Combustion will produce carbon monoxide and asphyxiates.

11. Toxicological Information

FOR THE PRODUCT –
INHALATION: Low acute toxicity. **SKIN**: Expected to be acutely non-toxic if absorbed; mild irritation with prolonged/repeated contact. **EYE:** Mildly irritating on contact. **ORAL:** Practically non-toxic.
SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL – INHALATION: low acute toxicity. **SKIN:** practically non-toxic if absorbed; may cause moderate irritation with prolonged and repeated contact. **EYE:** minimally irritating on contact. **INGESTION:** Practically non-toxic if swallowed

12. Ecological Information

ECOTOXICITY: No data available.

13. Disposal Information

Follow federal, state and local regulations. Not RCRA hazardous waste if uncontaminated. If "used", RCRA criteria (ignitability, reactivity corrosivity, toxicity characteristics) must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service.

14. Transportation Information

DOT

PROPER SHIPPING NAME	Petroleum Lubricating Oil
HAZARD CLASS:	Not regulated
ID NUMBER:	Not regulated
LABEL REQUIRED:	Not regulated
IMDG PROPER SHIPPING NAME:	N.D.
IATA PROPER SHIPPING NAME:	N.D.

15. Regulatory Information

TSCA: This product or all components of this product are listed on the U.S. TSCA inventory.

SARA 302 THRESHOLD PLANNING QUANTITY		N/A	
SARA 304 REPORTABLE QUANTITY		N/A	
SARA 311 CATEGORIES	Health	Immediate (Acute)	No
	Health	Delayed (Chronic)	No
	Physical	Fire	No
	Physical	Sudden Release of Pressure	No
	Physical	Reactive	No

15. REGULATORY INFORMATION – CONT'D

When a product and/or component are listed below, the regulatory list on which it appears is indicated.

ZINC DIALKYL DITHIOPHOSPHATE – NJ 01

01=SARA 313	02= SARA 302/304	03=IARC CARCINOGEN
04=OSHA CARCINOGEN	05=ACGIH CARCINOGEN	06=NTP CARCINOGEN
07=CERCLA 302.4	08=WHMIS CONTROLLED PROD.	
10=OTHER CARCINOGEN		
PA=PA RTK	NJ=NEW JERSEY RTK	CA=CALIFORNIA PROP 65
MA=MASS. RTK	MI-MICHIGAN 406	MN=MINNESOTA RTK
FL=FLORIDA	RI=RHODE ISLAND	IL=ILLINOIS
NY=NEW YORK	WV=WEST VIRGINIA	CT=CONNECTICUT
LA=LOUISIANA	ME=MAINE	OH=OHIO

16. OTHER INFORMATION

Caution! Prolonged or repeated contact with used motor oil may be harmful to skin and could cause skin cancer. Promptly wash affected area with soap and water. WHMIS Classification: Not Controlled.

SCOT LUBRICANTS OF PA, INC.
1801 E. TREMONT STREET
P.O. BOX 326
ALLENTOWN, PA 18105
610-433-2527

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