

MATERIAL SAFETY DATA SHEET

General Information

Chemical Name & Synonyms:

Not Applicable

Chemical Family:

Petroleum Hydrocarbon

Proper DOT Shipping Name:

Lubricating Oils, NOIBN

Manufacturer:

Steelco Industrial Lubricants, Inc.

Mfg. Address:

PO Box 136, Valparaiso, IN 46384-0136

Trade Name & Synonyms:

7420 Hydraulic Oil - SAE 20

Formula:

Not Applicable

DOT Hazard Classification:

Not Classified as Hazardous

Mfg. Phone No.:

(219) 462-0333

Chemtrac Phone No.:

Not Applicable

Ingredients

Principal Hazardous Components	Threshold Limit Value
Lubricating Oil Base Stock 99.0%	5mg/M3 (Mist)
CAS No. 64742-54-7 or CAS No. 64742-65-0	
Oil additive containing zinc salt of	
Dialkyldithiophosphoric acid (eye irritant) 1.0%	Non Established

Physical Data

Boiling Point: IBP>500 F.

Specific Gravity (H2O=1): 0.87

Vapor Pressure (mm Hg): 100 F <0.01

Percent Volatile By Volume (%):
Negligible

Vapor Density (Air=1):

100 F > 12.0

Evaporation Rate (NBA=1):
<0.01

Solubility in Water: Negligible

pH

Essentially Neutral

Appearance & Odor: Red colored liquid. Mild petroleum odor.

Fire & Explosion Data

Flash Point (Test Method): 200 F PM Closed Cup

Auto Ignition Temperature:

Flammable Limits:

500 F

LEL 1% UEL 6%

Extinguishing Media: Foam, dry chemical, CO2, water spray and fog

Special Fire Fighting Procedures: Use air supplied rescue equipment for enclosed areas. Cool exposed containers with water.

Unusual Fire & Explosion Hazard: Do not mix or store with strong oxidants.

Health Hazard Data

Threshold	OSHA Threshold	ACGIH Threshold
Limit Value 5mg/M3 (Mist)	Limit Value 5mg/M3 (Mist)	Limit Value 5mg/M3 (Mist)

Carcinogen-NTP Program

Not Shown

Carcinogen-IARC Program

Not Shown

Symptoms of Exposure: Prolonged or repeated skin contact may cause skin irritation, eye contact may cause eye irritation.

Medical Conditions Aggravated By Exposure: Prolonged or repeated skin contact tends to remove skins oils possibly leading to irritation & dermatitis. Health studies have shown that many petroleum products pose potential risks which may vary from person. Exposure to liquid, vapors, mists should be minimized.

Primary Route of Entry: Inhalation of mists or vapor. Skin & eye contact.

Emergency First Aid: INHALATION: Remove source of mist or vapor, provide fresh air. EYES: Flush with large amounts of water. Consult physician if irritation persists. SKIN: Wash thoroughly with soap & water. Remove oil soaked clothing & launder before reuse.

Reactivity Data

Stability: Stable

Incompatibility:

Conditions to Avoid:

Materials to Avoid: Strong oxidants like liquid chlorine & concentrated oxygen

Hazardous

Polymerization: Will Not Occur

Conditions to Avoid:

Hazardous Decomposition Products: Carbon monoxide in the case of incomplete combustion.

Environmental Protection Procedure

Spill Response: Remove free liquid. Add absorbent to spill area. Keep petroleum products out of streams and waterways.

Waste Disposal Method: Incinerate absorbed material. Waste disposal methods must comply with all applicable local, state and federal regulations.

Special Protection Information

Eye Protection: Normally Not Needed

Respiratory Protection: Normally not Needed

Other Protection: Oil impervious apron & gloves, if needed.

Skin Protection: Normally Not Needed

Ventilation Recommended: Needed only to capture hot flames.

Special Precautions

Hygienic Practices in Handling & Storage: Keep containers closed. Keep away from heat and flames.

Precautions for Repair & Maintenance of Contaminated Equipment: Not Required

Other Precautions: Avoid breathing of oil mist. Remove oil impregnated clothing. Wash thoroughly after exposure. Avoid skin contact & use protection when handling USED motor oil.