KENDALL SUPER-D III MOTOR OIL, ALL SAE GRADES

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15W-40

NFPA HAZARD RATING

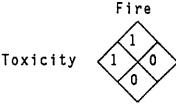
4 - Extreme

3 - High

2 - Moderate

1 - Slight

0 - Insignificant



Reactivity

Special

_________ DIVISION AND LOCATION --- SECTION I

Division: KENDALL REFINING COMPANY Location: BRADFORD, PENNSYLVANIA

77 N. KENDALL AVE., BRADFORD, PA, 16701 Emergency Telephone Number: (814) 368-6111

Thinsportation Emergency: CHEMTREC 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES --- SECTION II

Chemical Name:

petroleum hydrocarbon plus additives

Formula: not applicable

Hazardous Decomposition Products:

carbon monoxide and carbon dioxide from burning.

oxides of phosphorous from burning

oxides of sulfur

Incompatibility (Keep away from):

strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients:

none

Form: liquid

Odor: motor oil

Appearance: liquid Color: brown

Specific Gravity (water=1): .87 to .9

Boiling Point: greater than 330°C (625°F)
Melting Point: less than -15°C (5°F)

Solubility in Water (by weight %): 0 at 20°C

Volatile (by weight %): 0

Evaporation Rate:

Vapor Pressure (mm Hg at 20°C): 0

<u>Vapor Density (air=1)</u>: not volatile

pH (as is): not applicable

Stability: Product is stable under normal conditions Viscosity SUS at 100°F: Greater than or = to 100

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MATERIAL SAFETY DATA SHEET WITCO

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FIRE AND EXPLOSION DATA---SECTION III

Special Fire Fighting Procedures:

Do not use water except as fog.

Unusual Fire and Explosion Hazards:

Flashpoint: (Method Used) Cleveland open cup greater than 205°C (400°F)

Flammable limits %: not applicable

Extinguishing agents:
Drychemical or Waterfog or CO2 or Foam

Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA---SECTION IV

Permissible concentrations (air): If used in applications where a mist may be generated, observe a TWA/PEL of 5

mg/m³ for mineral oil mist (OSHA and ACGIH). Chronic effects of overexposure:

Prolonged or repeated skin contact may cause dermatitis (skin irritation)

Acute toxicological properties:

no data available

Emergency First Aid Procedures:

Immediately flush with large quantities of water for at least 15 Eyes:

minutes and call a physician.

Skin Contact: Remove excess with cloth or paper. Wash thoroughly with soap and

water.

Remove victim to fresh air. Call a physician. Inhalation:

If Swallowed: Contact a physician immediately.

SPECIAL PROTECTION INFORMATION---SECTION V

Ventilation Type Required (Local, mechanical, special):

Local if necessary to maintain allowable PEL(permissible exposure limit) or TLV(threshhold limit value)

Respiratory Protection (Specify type):

Use NIOSH/MSHA certified respirator with organic vapor cartridge if vapor concentration exceeds permissible exposure limit

Protective Gloves:

neoprene type

Eve Protection:

chemical safety goggles

Other Protective Equipment:

none

(Continued on next page)

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HANDLING OF SPILLS OR LEAKS---SECTION VI

Procedures for Clean-Up:

Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand, or vermiculite. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations.

Waste Disposal:

Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS---SECTION VII

Precautions to be taken in handling and storage:

Do not handle or store at temperatures over Maximum Storage Temperature: 38°C (100°F)

TRANSPORTATION DATA---SECTION VIII

D.O.T.: Not Regulated

Reportable Quantity: not applicable

Freight Classification: Petroleum Lubricating Oil

Special Transportation Notes:

none

ENVIRONMENTAL/SAFETY REGULATIONS---SECTION IX

Section 313 (Title III Superfund Amendment and Reauthorization Act):
This product contains the following toxic chemical category(ies) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (percent by weight is also provided):

1.4% zinc compound or 0.14% zinc in compound form

STATE REGULATORY INFORMATION:

Pennsylvania Worker And Community Right To Know Act: This product contains the following ingredient(s).

Hydrocarbon oils CAS NO. 8020-83-5

The additive mixtures in this product have been declared a trade secret by the additive manufacturers.

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WITCO MATERIAL SAFETY DATA SHEET

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(COMMENTS continued)

Prepared by: Rob	ert Kellam			
Title: Group Supe	rvisor, Lubric	ants Testing,	Maintenance,	and Safety
Original Date: (05/20/81 <u>Sent</u>	: to:	·	
Revision Date: (04-05-90			
Supersedes : (08-11-89			
Date Sent :				

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