

WITCO MATERIAL SAFETY DATA SHEET

KENDALL SUPER THREE STAR GEAR LUBRICANT, SAE 80W-85W-140 PAGE 1
 Product Code: H51 7721

HAZARD RATING
 N 4 - Extreme
 F 3 - High
 P 2 - Moderate
 A 1 - Slight
 0 - Insignificant

Fire
 1
Toxicity
 0
Reactivity
 0
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

Transportation Emergency: CHEM TREC 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES---SECTION II

Chemical Name:

petroleum hydrocarbon

Formula: not applicable

Hazardous Decomposition Products:

carbon monoxide and carbon dioxide from burning.

oxides of phosphorous

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: pungent, sulfur type

Appearance: viscous liquid

Color: dark green

Specific Gravity (water=1): .89

Boiling Point: greater than 330°C (625°F)

Melting Point: not applicable

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

Volatile (by weight %): 0

Evaporation Rate: 0

Vapor Pressure (mm Hg at 20°C): 0

Vapor Density (air=1): not volatile

pH (as is): not applicable

Stability: Product is stable under normal conditions.

Viscosity SUS at 100°F: Less than 100

FIRE AND EXPLOSION DATA---SECTION III

Special Fire Fighting Procedures:

Do not use water except as fog.

Unusual Fire and Explosion Hazards:

none

WITCO MATERIAL SAFETY DATA SHEET

DALL SUPER THREE STAR GEAR LUBRICANT, SAE 40 THROTTLE HALL GEAR OIL 20W-50 PAGE 2
-85W-140 Product Code: H51 7721

(Section III continued)

Flashpoint: (Method Used) Cleveland open cup greater than 200°C (390°F)

Flammable limits %: not applicable

Extinguishing agents:

Drychemical or Waterfog or CO₂ or Foam

Exposed material 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).

Acute effects of overexposure:

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

Acute toxicological properties:

no data available

Emergency First Aid Procedures:

Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

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

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

If Swallowed: Call a physician immediately. DO NOT induce vomiting. (Vomiting may cause aspiration into lungs resulting in chemical pneumonia.)

SPECIAL PROTECTION INFORMATION---SECTION V

Ventilation Type Required (Local, mechanical, special):

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

Respiratory Protection (Specify type):

Use NIOSH/OSHA approved respirator with organic vapor cartridge if vapor concentration exceeds permissible exposure limit

Protective Gloves: neoprene type

Eye Protection: chemical safety goggles.

Other Protective Equipment:

none

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

(Continued on next page)

WITCO MATERIAL SAFETY DATA SHEET

KENDALL SUPER THREE STAR GEAR LUBRICANT, SAE
80W-85W-140

Product Code: H51 7721

PAGE 3

(Section VI continued)

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

COMMENTS---SECTION IX

Signature: Luther Dromgold

Title:

MANAGER, NEW PRODUCTS

Original Date: 05/26/81

Revision Date: 06/20/86

Supersedes: 09/13/83

Sent to:

Date:

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.