

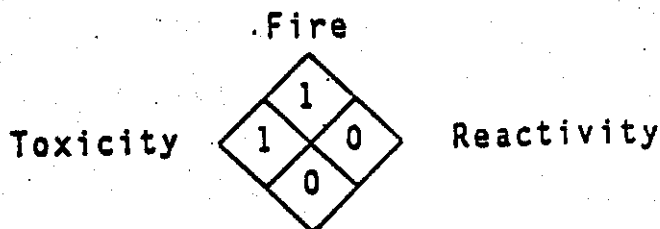
# WITCO MATERIAL SAFETY DATA SHEET

NDALL KENOIL R&O AW-32,46,68 and 100

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Product Code: H36 7322

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



## VISION AND LOCATION---SECTION I

Division: KENDALL REFINING COMPANY

Location:

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 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: bland

Appearance: liquid

Color: amber

Specific Gravity (water=1): .87 to .88

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

Melting Point: less than -18°C (0°F)

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: Greater than or = to 100

## FIRE AND EXPLOSION DATA---SECTION III

Special Fire Fighting Procedures:

Do not use water except as fog

Unusual Fire and Explosion Hazards:

none

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# W I T C O M A T E R I A L S A F E T Y D A T A S H E E T

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(Section III continued)

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

mmable limits %: not applicable

inguishing agents:

Drychemical or Waterfog or CO<sub>2</sub> or Foam

Closed containers exposed to fire may be cooled with water.

## LETHAL HAZARD DATA---SECTION IV

missible concentrations (air):

see Section IX comments

onic effects of overexposure:

no data available

te toxicological properties:

no data available

ergency 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: Contact a physician immediately.

## SPECIAL PROTECTION INFORMATION---SECTION V

ntilation Type Required (Local, mechanical, special):

see Section IX comments

piratory Protection (Specify type):

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

rotective Gloves:

neoprene type

e Protection:

chemical safety goggles

her Protective Equipment:

none

## HANDLING OF SPILLS OR LEAKS---SECTION VI

ocedures 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.

te Disposal:

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

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CAUTIONAL PRECAUTIONS---SECTION VII

cautions to be taken in handling and storage:

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

TRANSPORTATION DATA---SECTION VIII

.T.: Not Regulated

portable Quantity: not applicable

ight Classification: Petroleum Lubricating Oil

cial Transportation Notes:

none

REMARKS---SECTION IX

used in applications where a mist may be generated, observe a TWA/PEL of 5  
mg/m<sup>3</sup> for mineral oil mist (OSHA and ACGIH).

Signature: Luther Dromgold *L. Dromgold*

Title: Manager, New Products

Original Date: 08/28/81 Sent to: \_\_\_\_\_

Revision Date: 01/28/87

Revised by: 06/20/86

Date Sent: \_\_\_\_\_

believe the statements, technical information and recommendations contained herein.  
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consequential, arising out of their use.