

Material Safety Data Sheet

Prepared according to 29 CFR 1910.1200

1. Chemical Product and Company Identification

American Refining Group, Inc.
77 North Kendall Avenue
Bradford, PA 16701 USA
Tel: (814) 368.1200
www.amref.com



Product Name	Kendex® OCTG
Product Code	4421
CAS Number	Not applicable for mixtures
Synonyms	Piping Dope, Grease
Generic Chemical Name	Petroleum distillate
Product Type	Mixture
Transportation Emergency Phone No.	Chemtrec: 1-800-424-9300 (24 HRS)
ARG Emergency Phone No.	814-368-1297 (24 HRS)
MSDS E-Mail	msds@amref.com

2. Hazards Identification

Appearance	Orange grease
Odor	Petroleum Oil
Signal Word	None
	May cause eye irritation
	May cause skin irritation
OSHA Regulatory Status	This material is NOT considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Primary Routes of Exposure	Inhalation, skin adsorption
Precautions	
Inhalation	Avoid breathing dust/fume/gas/mist/vapors/spray. Keep container tightly closed. Use only with adequate ventilation.
Eyes	Avoid contact with eyes. Wash thoroughly after handling.
Skin	Avoid contact with skin and clothing. Wash thoroughly after handling.
Chronic Effects	See Section 11 for complete health hazard information
Environmental Effects	See Section 12 for complete ecological information

3. Composition / Information on Ingredients

This product does not contain hazardous ingredients

4. First Aid Measures

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Eyes	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Ingestion	If conscious, rinse out mouth with water. Get medical attention immediately.
Note to Physicians	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire Fighting Measures

Flammable Properties

This product poses no unusual fire-fighting problems.

Extinguishing Media

Use dry chemical, CO₂, water spray (FOG) or foam

Specific Hazards Arising from Chemical

Elevated temperatures can lead to the formation of irritating fumes and vapors. Decomposition products may include the following materials: Oxides of sulfur, oxides of carbon, oxides of calcium

Protective Equipment and Precautions for Firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Personal Precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Methods for Containment

Stop leak if without risk.

Methods for Cleanup

Move containers from spill area. Approach release from upwind. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. Handling and Storage

Handling Procedures

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Use non-sparking tools.

Shipping and Storing Procedures

Maximum storage temperature is 93 °C. Store in accordance with local regulations. Store in a segregated and approved area. Keep in the original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials. Do not store in unlabeled containers. Store and use away from heat, sparks, open flame or any other ignition source. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers that retain product residue may be hazardous. Do not reuse container.

8. Exposure Controls / Personal Protection

Component Exposure Limits: None

Engineering Controls

None normally required. Use additional ventilation if needed to control vapor concentrations particularly if a mist is generated or fumes from hot material are present.

Eye/Face Protection

Chemical goggles or face shield.

Skin Protection

Use neoprene type gloves and apron

Respiratory Protection

None required if area is adequately ventilated. Use appropriate respiratory protection if used in confined areas. If used in an application where a mist may be generated, observe a TWA/PEL of 5 mg/m³ (OSHA, ACGIH) for a mineral oil mist. Use a respirator with dual organic vapor/mist and particulates cartridge if vapor concentration exceeds permissible exposure limit.

General Hygiene

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.

9. Physical and Chemical Properties

Appearance	Orange	Vapor Pressure (mm Hg at 20°C)	<.0003
Odor	Petroleum oil	Water Soluble	No
Physical State	Grease like	Specific Gravity (g/cc)	.948
Flash Point (°F)	>356	Density (lbs/gal)	7.89
Boiling Point (°F)	700-860	pH	Not available

10. Chemical Stability & Reactivity Information

Stability

Stable under normal conditions

Polymerization

No polymerization

10. Chemical Stability & Reactivity Information

Incompatibility	Strong acids and oxidizing materials
Conditions to Avoid	High temperatures
Hazardous Decomposition Products	Oxides of carbon (carbon monoxide, carbon dioxide), oxides of hydrogen (water), oxides of sulfur (sulfur dioxide), and oxides of calcium are all formed from burning.

11. Toxicological Information

Acute Exposure	
Respiratory Irritation	Not expected to cause respiratory tract irritation.
Eye Irritation	May cause eye irritation.
Skin Irritation	May cause skin irritation.
Sensitization	Not expected to cause skin or respiratory sensitization.
Chronic Exposure	
Target Organ Effects	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity	No data available to indicate product or components present at greater than .1% are carcinogens.
Mutagenicity	No data available to indicate product or any components present at greater than .1% are mutagenic or genotoxic.
Reproductive Toxicity	No data available to indicate product or any components present at greater than .1% are a reproductive toxin.
Teratogenicity	No data available to indicate product or any components contained at greater than .1% may cause birth defects.

12. Ecological Information

Component Analysis- Ecotoxicity – Aquatic Life

Duration/Test/Species	Concentration/Conditions
96 Hr LC50 Pimephales promelas	N/A mg/L

Degradability	Not determined
Bioaccumulation	Not determined
Soil Mobility	Not determined

13. Disposal Considerations

Disposal Instructions

Not a hazardous waste if disposed of as is, by the definitions of the U.S. EPA. Dispose of properly complying with appropriate laws and regulations.

14. Transportation Information

Emergency Response Guide No.	128	<i>North American Emergency Response Guide Book</i>			
	UN Number	Shipping Name (technical name)	Hazard Class	Packing Group	Labels/Placard*
U.S. DOT Bulk		Not Regulated			
U.S. DOT Non-Bulk		Not Regulated			

Kendex® OCTG is not classified as a hazardous material or dangerous good according to the Department of Transportation (DOT), International Air Transport Association (IATA), International Civil Aviation Organization (ICAO), the International Maritime Dangerous Goods Code (IMDG) or any applicable government or other relevant organization.

15. Regulatory Information

SARA Extremely Hazardous Substances (Sections 302 & 304)	This product does not contain greater than 1% of any “extremely hazardous substances” listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.								
SARA Section 313	This product does not contain greater than 1.0% of the substances 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.								
SARA Section 311 & 312 Classifications	<table border="0"> <tr> <td style="padding-right: 20px;">Acute Hazard</td> <td>No</td> </tr> <tr> <td>Chronic Hazard</td> <td>No</td> </tr> <tr> <td>Fire Hazard</td> <td>No</td> </tr> <tr> <td>Reactivity Hazard</td> <td>No</td> </tr> </table>	Acute Hazard	No	Chronic Hazard	No	Fire Hazard	No	Reactivity Hazard	No
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Fire Hazard	No								
Reactivity Hazard	No								

CERCLA	This product does not contain any “hazardous substances” listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.
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Global Chemical Inventories

Inventory	Component
	All components
US TSCA	Present
EU	Present
Japan	Present
Australia	Present
New Zealand	Not available
Canada	Present
Switzerland	Not available
Korea	Present

Inventory	Component
Philippines	Not available
China	Present
Taiwan	Not available

16. Other Information

US NFPA Ratings

Health	Fire	Instability
0	1	0

HMIS Ratings

Health	Fire	Physical Hazards
0	1	0

Preparation/Revision Date

10/9/2013

Revision Reason

Section 15: Transportation Information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS