



Material Safety Data Sheet

Product Name:
Kendex MNE
Revision Date:
09-Mar-2009
Revision Number:
2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 4577
Product Name: Kendex MNE
Chemical characterization: Liquid
Supplier: American Refining Group, Inc.
Lubricants and Specialty Products Division
77 North Kendall Avenue
Bradford, PA 16701
www.amref.com
Emergency Telephone Number: CHEMTREC: 1-800-424-9300
ARG Watchblock: 814-368-1297

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %	TSCA	DSL
Extracts, petroleum, heavy paraffinic distillate solvent	64742-04-7	100	Present	Present

OSHA - PEL TWA - 5 mg/m³ (oil mist)

3. HAZARDS IDENTIFICATION

Emergency Overview

• This product may be irritating to skin, eyes, nose, throat, and lungs. Use all necessary personal protection when handling this material.

Eye contact

• Contact with eyes may cause irritation

Skin contact

• Can cause skin irritation.

Inhalation

• Avoid breathing vapors or mists

• Inhalation may cause mild irritation of respiratory tract.

Ingestion

• Ingestion may cause nausea, vomiting, and diarrhea.

General advice

• As with any chemical, use caution when handling

4. FIRST AID MEASURES

General Advice	<ul style="list-style-type: none"> • Immediate medical attention is not required • If exposure symptoms persist, seek medical attention. • Show this safety data sheet to the doctor in attendance
Skin Contact	<ul style="list-style-type: none"> • Wash off immediately with soap and plenty of water
Eye Contact	<ul style="list-style-type: none"> • Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes • If eye irritation persists, seek medical attention
Inhalation	<ul style="list-style-type: none"> • Move to fresh air. • If exposure symptoms persist, seek medical attention.
Ingestion	<ul style="list-style-type: none"> • Do not induce vomiting • Never give anything by mouth to an unconscious person • Consult a physician if necessary
Notes to Physician	<ul style="list-style-type: none"> • Treat symptomatically
Protection of First-aiders	<ul style="list-style-type: none"> • Use necessary personal protective equipment
Aggravated Medical Conditions	<ul style="list-style-type: none"> • Users with skin conditions (eczema, psoriasis, etc.,) respiratory conditions (asthma, bronchitis, emphysema, etc.,) or with chemical sensitivities should take protective precautions.

5. FIRE-FIGHTING MEASURES

Flash Point	<ul style="list-style-type: none"> • 215°C / 420°F
Suitable Extinguishing Media	<ul style="list-style-type: none"> • carbon dioxide (CO₂) • water fog • alcohol-resistant foam • dry chemical
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> • Water, except as fog
Special exposure hazards in a fire	<ul style="list-style-type: none"> • Keep product and empty container away from heat and sources of ignition
Special Protective Equipment	<ul style="list-style-type: none"> • As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific Methods Firefighting	<ul style="list-style-type: none"> • In the event of fire, cool tanks with water spray • Use spark-proof tools and explosion-proof equipment
NFPA	<ul style="list-style-type: none"> • Health=2, Fire=1, Reactivity=0, Special=0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	<ul style="list-style-type: none"> • Evacuate personnel to safe areas • Keep people away from and upwind of spill/leak • Wear personal protective equipment • Remove all sources of ignition • Ensure adequate ventilation • Floors may be slippery
Environmental Precautions	<ul style="list-style-type: none"> • Prevent further leakage or spillage if safe to do so • Prevent product from entering drains

6. ACCIDENTAL RELEASE MEASURES

Methods for Cleaning Up	<ul style="list-style-type: none"> • Dam up • Soak up with inert absorbent material • Pick up and transfer to properly labelled container for disposal. • Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container
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7. HANDLING AND STORAGE

Handling

Technical Measures Handling	<ul style="list-style-type: none"> • Use only in areas provided with adequate ventilation. • Keep away from open flames, hot surfaces and sources of ignition
Safe Handling Advice	

Storage

Technical Measures Storage	<ul style="list-style-type: none"> • Keep containers tightly closed; discard any material that may be contaminated or, which may have changed composition. • Keep away from heat • Protect from light • Keep in properly labelled containers.
Incompatible Products	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures	<ul style="list-style-type: none"> • Ensure adequate ventilation, especially in confined areas • As a rule, at least 10 air changes per hour are recommended at the workplace
Personal Protective Equipment	
Hand Protection	<ul style="list-style-type: none"> • Impervious gloves
Eye Protection	
Respiratory Protection	
Skin And Body Protection	<ul style="list-style-type: none"> • Long sleeved clothing
General Hygiene Considerations	
Environmental exposure controls	

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State	Liquid
Color	Brown
Odor	Hydrocarbon oil

Important Health Safety and Environmental Information

Boiling Point/Range	330°C / 625°F
Pour Point	-15°C /5°F
Vapor Pressure	0
Density	8.0 lbs/gallon
Water Solubility	Insoluble
Specific Gravity	0.96
VOC Content	No data available

10. STABILITY AND REACTIVITY

Stability	• Stable under normal conditions
Conditions to Avoid	• Heat, flames and sparks
Materials to avoid	• None
Hazardous Decomposition Products	• None under normal use
Hazardous Polymerization	• When burned :carbon dioxide, carbon monoxide, hydrocarbons • Polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50 Dermal Rat	>2000 mg/kg
LD50 Oral Rat	>5000 mg/kg
LC50 Inhalation	not determined
Skin irritation	May cause skin irritation in susceptible persons
Eye irritation	May cause eye irritation.
Inhalation Toxicity	Move to fresh air in case of accidental inhalation
Ingestion Toxicity	Nausea, Vomiting, Diarrhea (detersive effects)
Sensitization	May cause sensitization of susceptible persons
Chronic Toxicity	Prolonged exposure may cause chronic effects
Carcinogenic effects	Did show carcinogenic or teratogenic effects in animal experiments, based on testing of similar materials.
Mutagenic Effects	No information available
Reproductive Effects	No information available
Target Organ Effects	No information available

12. ECOLOGICAL INFORMATION

Component Information

Product Information

<u>Aquatic toxicity</u>	• NOEL >1000 mg/L, based on test results of similar materials
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Other information

Ozone Depletion Potential	• No information available
Global warming potential (GWP)	• No information available
Additional Ecological Information	• This product is not readily biodegradable in water but are inherently biodegradable based on test results of similar products.
Bioaccumulative Potential	• In theory, extracts have the potential to bioaccumulate due to the hydrocarbon component having log Kow values over 5.

13. DISPOSAL CONSIDERATIONS

Waste From Residues/Unused Products	• Dispose of in accordance with local regulations
Contaminated Packaging	• Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT Description	Not Regulated
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15. REGULATORY INFORMATION

U.S. Inventories			
Component	TSCA	CAS-No	Weight %
Extracts, petroleum, heavy paraffinic distillate solvent	Present	64742-04-7	100

International Inventories							
Component	DSL	EINECS	ENCS	KECL	CHINA	AICS	PICCS
Extracts, petroleum, heavy paraffinic distillate solvent	Present	265-103-7		X KE-14163	X	X	X

16. OTHER INFORMATION

Literary Reference	None
Prepared By	Monica C. Mathers, Product Compliance Coordinator