



# Safety Data Sheet

Prepared according to GHS

## 1. Identification

<b>Product Name</b>	<b>Kendex HNE</b>
<b>Product Code</b>	<b>4579</b>
<b>Recommended Use</b>	<i>Specialty Distillate</i>
<b>Company</b>	American Refining Group, Inc. 77 North Kendall Avenue Bradford, PA 16701 www.amref.com msds@amref.com
<b>Emergency Telephone Number(s)</b>	Chemtrec 1-800-424-9300 (24 HRS) ARG: 814-368-1297 (24 HRS)

## 2. Hazards Identification

<b>GHS Classification</b>	Eye Damage/Irritation Category 2B Skin Corrosion/Irritation Category 2 Carcinogenicity Category 2 Germ Cell Mutagenicity Category 2 Specific Target Organ Toxicity (repeat exposure) Category 2
<b>Signal Word</b>	WARNING
<b>Hazard Statements</b>	Causes eye irritation Causes skin irritation Suspected of causing cancer Suspected of causing genetic defects May cause damage to organs through prolonged/repeated exposure

### GHS Pictogram



### Precautionary Statements

Wash thoroughly after handling.  
**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**If eye irritation persists:** Get medical advice/attention.  
**If on skin:** wash with plenty of soap and water.  
**If skin irritation occurs:** get medical advice/attention. Take off contaminated clothing and wash before reuse. Obtain special instructions before use.

**2. Hazards Identification**

Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/clothing/eye protection/face protection  
**Store locked up.**  
**Dispose of contents/containers in accordance with local/national regulations.**  
Do not breathe dust/fume/gas/mist/vapors/spray.

**3. Composition / Information on Ingredients**

CAS No.	Component	Common Name	Percent
64742-10-5	Extracts (petroleum), Residual oil solvent	Bright Stock Extract	100%

**4. First Aid Measures**

**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 soap and 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. Avoid Breathing fumes/vapors/mist/spray.

**Ingestion** If conscious, rinse out mouth with water. Seek medical attention immediately.

**Symptoms(Acute and delayed)** Causes eye irritation  
Causes skin irritation  
Suspected of causing cancer  
Suspected of causing genetic defects  
May cause damage to organs through prolonged/repeated exposure

**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**

**Suitable Extinguishing Media**  
Use dry chemical, CO<sub>2</sub>, water spray (FOG) or foam

**Unsuitable Extinguishing Media**  
Avoid solid water stream as it may scatter and spread fire.

**Specific Hazards Arising from Chemical**  
Elevated temperatures can lead to the formation of irritating vapors. Decomposing products may include the following materials: Carbon dioxide and Carbon monoxide.

**5. Fire Fighting Measures**

**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**

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**Environmental Precautions**

Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for Containment**

Stop leak if without risk.

**Methods for Cleanup**

Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled container

**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

**Shipping and Storing Procedures**

Keep container tightly closed in a dryplace. Keep away from heat. Protect from light. Keep in properly labeled containers. Keep out of the reach of children.

**Incompatibilities:**

Oxidizing Agents

**8. Exposure Controls / Personal Protection**

**Component Exposure Limits**

**Oil Mist (mineral)**

<b>ACGIH TLV:</b>	TWA:	N/A ppm	TWA:	5 mg/m <sup>3</sup>	STEL:	N/A ppm	STEL:	10 mg/m <sup>3</sup>
<b>OSHA PEL:</b>	TWA:	N/A ppm	TWA:	5 mg/m <sup>3</sup>	STEL:	N/A ppm	STEL:	N/A mg/m <sup>3</sup>
<b>NIOSH REL:</b>	TWA:	N/A ppm	TWA:	5 mg/m <sup>3</sup>	STEL:	N/A ppm	STEL:	10 mg/m <sup>3</sup>

N/A signifies not available

\*Product has 0 kPa pressure at 68°F and is not expected to present any inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product. Oil mist, if generated, is considered hazardous according to the OSHA Hazard Communication Standard.

**Engineering Controls**

Material should be handled in enclosed vessels and equipment only if aerosolized and/or misted. Use only in adequate ventilation if this occurs. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Eye/Face Protection**

Chemical goggles or face shield.

**8. Exposure Controls / Personal Protection**

<b>Skin Protection</b>	Chemical resistant, impervious gloves complying with an approved standard should be worn at all times. Coveralls, apron, and boots as necessary to minimize contact.
<b>Respiratory Protection</b>	Respirator may only be needed if product is aerosolized and/or misted. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on known or anticipated exposure levels.
<b>General Hygiene</b>	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**

*Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Please see the Product Specification Sheet for further information.*

<b>Appearance</b>	Opaque	<b>Flammability</b>	Not Available
<b>Physical State</b>	Liquid	<b>Upper/Lower Flammability Limits</b>	Not Available
<b>Odor</b>	Petroleum Oil	<b>Vapor Pressure</b>	Not Available
<b>Odor Threshold</b>	Not Available	<b>Vapor Density</b>	Not Available
<b>pH</b>	Not Available	<b>Relative Density (lbs/gal)</b>	8.0
<b>Melting/Freezing Point (°F)</b>	Not Available	<b>Water Soluble</b>	No
<b>Initial Boiling Point (°F)</b>	Not Available	<b>Partition Coefficient: n-octanol/water</b>	4.4 - >6
<b>Boiling Range (°F)</b>	Not Available	<b>Auto-ignition Temperature (°F)</b>	Not Available
<b>Flash Point (°F)</b>	568	<b>Decomposition Temperature (°F)</b>	Not Available
<b>Evaporation Rate</b>	Not Available	<b>Viscosity (40°C mm<sup>2</sup>/s)</b>	11200

**10. Chemical Stability & Reactivity Information**

<b>Reactivity</b>	Polymerization will not occur
<b>Chemical Stability</b>	Stable under normal conditions
<b>Hazardous Reactions</b>	None, under normal processing.
<b>Conditions to Avoid</b>	High temperatures, flames, sparks
<b>Incompatibility</b>	Strong acids and oxidizing materials
<b>Hazardous Decomposition Products</b>	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

**11. Toxicological Information**

**Acute Exposure**

**11. Toxicological Information**

<b>Respiratory Irritation</b>	Not expected to cause irritation to respiratory tract.
<b>Eye Irritation</b>	May cause eye irritation.
<b>Skin Irritation</b>	Causes slight skin irritation. May cause slight redness. Varies depending upon amount of exposure.
<b>Sensitization</b>	Not expected to cause skin or respiratory sensitization.
<b>Aspiration Hazards</b>	Not expected to cause an aspiration hazard.

**Chronic Exposure**

<b>Target Organ Effects</b>	Repeated-dose dermal studies in rats using similar substances revealed chronic internal organ effects.
<b>Carcinogenicity</b>	This product contains substances that are classified as carcinogens by OSHA, ACGIH, and IARC.
<b>Mutagenicity</b>	Product found to elicit marginal positive results in the ames mutagenicity assay based on data from components and similar materials.
<b>Reproductive Toxicity</b>	No data available to indicate either product or components present at greater than .1% that may cause reproductive toxicity.
<b>Teratogenicity</b>	No data available to indicate product or any components contained at greater than .1% may cause birth defects.

**Analysis – LD50 / LC50**

<b>Inhalation LC50 Rat</b>	Not available	mg/L
<b>Oral LD50 Rat</b>	>5000	mg/kg
<b>Dermal LD50 Rabbit</b>	>2000	mg/kg

**12. Ecological Information**

**Component Analysis - Ecotoxicity – Aquatic Life**

<b>Duration/Test/Species</b>	<b>Concentration/Conditions</b>
96 Hr LL50; WAF Aquatic Vertebrates	>1000 mg/L
21 Day EL50; WAF <i>Daphnia magna</i>	>1000 mg/L
72 hr EL-50 <i>Daphnia magna</i>	>50% WAF mg/L

<b>Persistence &amp; Degradability</b>	Inherently degraded
<b>Bioaccumulation Potential</b>	Not Available
<b>Soil Mobility</b>	Not Available
<b>Other Adverse Effects</b>	Not Available

**13. Disposal Considerations**

**Disposal Instructions**

The generation of waste should be avoided or minimized wherever possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

**14. Transportation Information**

<b>Emergency Response Guide No.</b>	171	<i>North American Emergency Response Guide Book</i>			
	UN Number	Shipping Name (technical name)	Hazard Class	Packing Group	Placards/Label
<b>U.S. DOT</b>		Not Regulated			
<b>IATA</b>		Not Regulated			
<b>IMDG</b>		Not Regulated			

**15. Regulatory Information**

<b>SARA Extremely Hazardous Substances (Sections 302 &amp; 304)</b>	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.	
<b>SARA Section 313</b>	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.	
<b>SARA Section 311 &amp; 312 Classifications</b>	<b>Health Hazard</b>	<i>Yes</i> <i>Eye Damage/Irritation Category 2B</i> <i>Skin Corrosion/Irritation Category 2</i> <i>Carcinogenicity Category 2</i> <i>Germ Cell Mutagenicity Category 2</i> <i>Specific Target Organ Toxicity (repeat exposure) Category 2</i>
	<b>Physical Hazard</b>	<i>No</i>
<b>CERCLA</b>	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.	
<b>California Prop 65</b>	This product is not routinely tested to determine chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components.	

**Global Chemical Inventories**

Inventory	
US TSCA	Present

EU	Present
Japan	Not available
Australia	Present
New Zealand	Present
Canada	Present
Switzerland	Not available
Korea	Not available
Philippines	Present
China	Present
Taiwan	Present

**16. Other Information**

**US NFPA Ratings**

Health	Fire	Reactivity
1	1	0

**HMIS Ratings**

Health	Fire	Physical Hazards
1	1	0

**Revision Date** 17 May 2021  
**Revision Reason** New SDS

*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 SDS**