



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Number 4595
Product Name Kendex 0850
Synonyms Metalworking Blend/Quench Oil
Chemical characterization Liquid.
Manufacturer, importer, supplier American Refining Group, Inc.
 Lubricants and Specialty Products Division
 77 North Kendall Avenue
 Bradford, PA 16701
EMERGENCY TELEPHONE NUMBER CHEMTREC: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% Weight	TSCA*	DSL - Canada*
T/S	Resins	45-55	Present	Present
64741-44-2	Distillates (petroleum), straight-run middle	45-55	Present	Present

* TSCA - United States - Section 8 (b) Inventory (TSCA)

* DSL - Canada - Domestic Substances List (DSL)

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	<ul style="list-style-type: none"> • Contact with eyes may cause irritation
Skin contact	<ul style="list-style-type: none"> • Prolonged or repeated exposure may cause irritation.
Inhalation	<ul style="list-style-type: none"> • Can cause respiratory tract irritation. • Avoid breathing vapors or mists
Ingestion	<ul style="list-style-type: none"> • Ingestion may cause nausea, vomiting, and diarrhea.
General advice	<ul style="list-style-type: none"> • As with any chemical, use caution when handling product.

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"> • Immediate medical attention is not required • Wash off immediately with soap and plenty of water. • Seek medical attention if effects persists.
Eye contact	<ul style="list-style-type: none"> • Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes • Keep eye wide open while rinsing • If exposure symptoms persist, seek medical attention.
Inhalation	<ul style="list-style-type: none"> • Immediate medical attention is not required

	<ul style="list-style-type: none"> ● Move to fresh air in case of accidental inhalation of vapours or decomposition products ● If exposure symptoms persist, seek medical attention.
Ingestion	<ul style="list-style-type: none"> ● Do not swallow. Rinse mouth with water and afterwards drink plenty of water. ● Do not induce vomiting without medical advice ● Never give anything by mouth to an unconscious person ● Consult a physician
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"> ● 146C/295F
Suitable extinguishing media	<ul style="list-style-type: none"> ● carbon dioxide (CO2) ● water fog ● alcohol-resistant foam ● dry chemical
Specific hazards	<ul style="list-style-type: none"> ● None
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> ● Water, except as fog
Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	Keep product and empty container away from heat and sources of ignition.
Special protective equipment for firefighters	<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	<ul style="list-style-type: none"> ● In the event of fire, cool tanks with water spray ● Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations
NFPA (National Fire Protection Association)	<ul style="list-style-type: none"> ● Health=0, 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
Environmental precautions	<ul style="list-style-type: none"> ● Prevent further leakage or spillage if safe to do so ● Prevent product from entering drains
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

7. HANDLING AND STORAGE

Handling

Technical measures/Precautions	<ul style="list-style-type: none"> ● Use only in areas provided with adequate ventilation. ● Avoid contact with skin, eyes and clothing
Safe handling advice	<ul style="list-style-type: none"> ● Wear personal protective equipment ● Do not breathe vapours or spray mist. Ensure that ventilation is adequate before using this product. ● Avoid contact with skin and eyes. Take necessary personal protective

	precautions before using this product.
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Storage

Technical measures/Precautions	<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	<ul style="list-style-type: none"> ● No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	<ul style="list-style-type: none"> ● Ensure adequate ventilation, especially in confined areas
Personal protective equipment	
Hand protection	<ul style="list-style-type: none"> ● Impervious gloves
Eye protection	<ul style="list-style-type: none"> ● Wear tightly fitting safety goggles or safety glasses with side-shields
Respiratory protection	<ul style="list-style-type: none"> ● In case of insufficient ventilation, wear suitable respiratory equipment
Skin and body protection	<ul style="list-style-type: none"> ● Long sleeved clothing
Hygiene measures	<ul style="list-style-type: none"> ● Handle in accordance with good industrial hygiene and safety practice ● Keep away from food, drink and animal feeding stuffs ● When using, do not eat, drink or smoke
Environmental exposure controls	<ul style="list-style-type: none"> ● No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	Liquid.
Colour	Brown.
Odour	Hydrocarbon oil.

Important Health Safety and Environmental Information

Boiling Point	>266°C / >510°F
Pour Point	3°C / 37°F
Vapor Pressure	No information available.
Density	7.4 lbs/gallon
Vapour density	No information available.
Water solubility	Insoluble.
Specific Gravity	0.89.

10. STABILITY AND REACTIVITY

Stability	<ul style="list-style-type: none"> ● Stable under normal conditions ● Polymerization does not occur
Conditions to avoid	<ul style="list-style-type: none"> ● Heat, flames and sparks ● Strong oxidizing agents
Materials to avoid	<ul style="list-style-type: none"> ● Incompatible with strong oxidizers, such as hydrogen peroxide, bromine, and chromic acid
Hazardous decomposition products	<ul style="list-style-type: none"> ● When burned :carbon dioxide, carbon monoxide, hydrocarbons
Polymerization	<ul style="list-style-type: none"> ● No information available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information

Product Information

There is no data to indicate that this product is carcinogenic; however, the Heavy Resins component shares a CAS number with other substances, "extracts of steam-refined and air-refined bitumens," that have been classified as possibly carcinogenic to humans (Group2B) by the International Agency for Research on Cancer (IARC). However, the heavy resins used in this product are neither steam nor air refined; instead they fall in the IARC class, Bitumens-not classifiable as to their carcinogenicity (Group 3). Furthermore, manufacturer's product test data on the heavy resins are below the recognized levels that indicate carcinogenicity or mutagenicity. The Kensol distillates have been found to be non-mutagenic in modified Ames Testing.

Studies conducted by the American Petroleum Institute have shown that certain representative middle distillate products have been found to be weakly to moderately tumorigenic or carcinogenic in laboratory animals when applied to the skin repeatedly without washing between applications in long term bioassays. The Kensol distillates, which are Pennsylvania grade middle distillate products, were not included in the American Petroleum Institute studies. The Kensol distillates are not listed as carcinogens by the IARC and NTP, nor are they included in the OSHA list of carcinogens. In accordance with OSHA Instructions CPL2-2.38A dated May 16, 1986, this product does not require a cancer hazard warning label.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Component Information

Product Information

Aquatic toxicity No information available.

Other information:

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 Not regulated unless shipped at or above 100C/212F, in containers over 118.9 gallons capacity.

UN-No UN3257

Proper shipping name Elevated Temperature Liquid, N.O.S.

Hazard Class 9

Packing group III

15. REGULATORY INFORMATION

U.S. Inventories

CAS	Chemical Name	% Weight	TSCA*
T/S	Resins	45-55	Present
64741-44-2	Distillates (petroleum), straight-run middle	45-55	Present

* TSCA - United States - Section 8 (b) Inventory (TSCA)

International Inventories

CAS	Chemical Name	% Weight	DSL - Canada*	EINECS*	ECL*	ENCS*	IECS - Inventory of Existing Chemical	AICS - Australia*	PICCS*
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							al Substa nces*		
T/S	Resins	45-55	Present	T/S	KE-019 54	T/S	Present	Present	Present
64741-44-2	Distillates (petroleum), straight-run middle	45-55	Present	265-044 -7	KE-126 71	N/A	Present	Present	Present

* DSL - Canada - Domestic Substances List (DSL)

* EINECS - European Inventory of Existing Commercial Substances (EINECS)

* ECL - Korea - Existing and Evaluated Chemical Substances (ECL)

* ENCS - Japan Existing and New Chemical Substances (ENCS)

* IECS - Inventory of Existing Chemical Substances - China

* AICS - Australia - Inventory of Chemical Substances (AICS)

* PICCS - Philippines - Inventory of Chemicals and Chemical Substances (PICCS)

16. OTHER INFORMATION

Prepared By Monica C. Mathers, Product Safety Steward Leader.

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End of Safety Data Sheet