

H&B PETROLEUM CO.

SAFETY DATA SHEET

Prepared according to GHS

1. Identification

<u>Product Name</u>	H&B Cutting Oil 250
<u>Product Code</u>	Cutting Oil
<u>Recommended Use</u>	Industrial Oil
<u>Company</u>	H&B Petroleum Company 1 Wynding Way Rockaway, NJ 07866 (973) 664-0144
<u>Emergency Telephone</u>	

2. Hazards Identification

<u>GHS Classification</u>	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<u>Signal Word</u>	Not applicable
<u>Hazard Statements</u>	Not applicable
<u>GHS Pictogram</u>	Not applicable
<u>Precautionary Statements</u>	Prolonged or repeated exposure may cause irritation of skin, eyes, and respiratory system. Avoid breathing vapors or mist of this product.

3. Composition / Information on Ingredients

CAS No.	Component	Concentration
64742-53-6 or equiv.	Distillates (petroleum), Hydrotr't'd LT., Napthenic	50-95%
63449-39-8	Chloronated Paraffin Wax	5-30%
N/A / 8016-28-2	Sulfurized / Lard-Oils	Bal.

4. First Aid Measures

Eyes

Flush thoroughly with water. If irritation occurs, get medical assistance.

Skin

Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Inhalation

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Ingestion

First aid is normally not required. Seek medical attention if discomfort occurs.

5. Fire Fighting Measures

Extinguishing Media

Appropriate Extinguishing Media: Use of water fog, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Inappropriate Extinguishing Media: Straight streams of water.

Fire Fighting

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire Hazards

Pressurized mists may form at flammable mixture. Hazardous Combustion Products: Smoke, Fume, Aldehydes, Sulfur oxides, incomplete combustion products, Oxides of carbon.

6. Accidental Release Measures

Notification Procedures

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at 800-424-88025.

Spill Management

Land Spill: Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from surface with skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Environmental Precautions

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and Storage

Handling

Avoid breathing mists or vapors. Small metal particles from machining may cause abrasion of the skin and may predispose to dermatitis. Prevent small spills and leakage to avoid slip hazard.

Static Accumulator: This material is a static accumulator.

Storage

Do not store in open or unlabeled containers.

8. Exposure Controls / Personal Protection

Exposure limits/standards for materials that can be formed when handling this product: When mists/aerosols can occur, the following are recommended: 5mg/m³ – ACGIL TLV, 10mg/m³ – ACGIH STEL, 5mg/m³ – OSHA PEL.

Note: Limits/standards shown for guidance only. Follow applicable regulations.

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection

If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirement, if applicable. Types of respirators to be considered for this material include: Particulate air-purifying respirator approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor properties are poor, or of air purifying filter's capacity/rating may be exceeded.

Hand Protection

Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selections and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. No protection is ordinarily required under normal conditions of use.

Eye Protection

If contact is likely, safety glasses with side shield are recommended. Chemical type goggles should be worn during misting operations.

Skin and Body Protection

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial Hygiene practices, precautions should be taken to avoid skin contact.

Specific Hygiene Measures

Always observe good personal hygiene measures, such as washing after handling material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

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 Product Specification Sheet for further information.

Appearance	Dark	Flammability	1
Physical State	Liquid	OSHA Oil Mist Exp.	5 mg/m3
Odor	Sweet	Vapor Pressure	<0.1
pH	Neutral	Vapor Density (AIR=1)	>10
Specific Gravity (H2O=1)	0.95	Solubility in Water (@ 1 ATM. 25 °C)	Neg.
Boiling Range (°C/°F)	212/640 est.	Auto-ignition Temperature (°C/°F)	<295/600 est.
Flash Point (°C/°F)	115/315 est.	Viscosity (ISO-VG)	150

10. Chemical Stability & Reactivity Information

<u>Stability:</u>	Material is stable and non-reactive under normal conditions.
<u>Conditions to Avoid:</u>	Excessive heat. High energy sources of ignition.
<u>Material to Avoid:</u>	Avoid temperatures exceeding the flash point. Strong oxidizers.
<u>Hazardous Decomposition Products:</u>	Material does not decompose at ambient temperatures.

11. Toxicological Information

Information on likely routes of exposure

<u>Ingestion</u>	May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.
<u>Inhalation</u>	May be harmful if inhaled. However, this product does not currently meet the criteria for classification.
<u>Skin contact</u>	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
<u>Eye contact</u>	May be irritating to eyes.
<u>Information on toxicological effects</u>	
<u>Acute toxicity</u>	Not classified
<u>Skin corrosion/irritation</u>	Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer
<u>Carcinogenicity</u>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.
<u>Reproductive toxicity</u>	Contains no ingredient listed as toxic to reproduction
<u>Chronic effects</u>	Prolonged or repeated contact may cause drying, cracking, or irritation of skin.

12. Ecological Information

Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

13. Disposal Considerations

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Regulatory Disposal Information: RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 281 D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. Transportation Information

LAND (DOT): Not regulated for land transport.
LAND (TDG): Not regulated for land transport
SEA (IMDG): Not regulated for sea transport according to IMDG-Code
AIR (IATA): Not regulated for air transport

Transportation Incident Information: For further information relative to spills resulting from transportation incidents, refer to the latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents. DOT P 58001.3.

15. Regulatory Information

US Federal Regulations

This product is not known to be "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances – Not applicable

TSCA Section 12(b) Export Notification (40 CFR 707, Subp.D)

Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed

US.OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

SARA 302 Extremely Hazardous substance

Not listed

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated

Other federal regulations:

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAOs) List

Not regulated

Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)

Not regulated

Safe Drinking Water Act (SDWA)

Not regulated

US State regulations

This product does not contain a chemical known to the state of California to cause cancer, birth defects or other reproductive harm. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens and reproductive toxins.

US Massachusetts RTK - Substance List

Not regulated

US New Jersey Worker and Community Right-to-Know Act

Not regulated

US Pennsylvania RTK – Hazardous Substances

Not regulated

US California proposition 65

Not listed

**Global Chemical Inventories
Inventory**

US TSCA	Listed
EU	Listed
Japan	Not Available
Australia	Listed
New Zealand	Listed
Canada	Listed
Switzerland	Not Available
Korea	Listed
Philippines	Listed
China	Listed
Taiwan	Not Available

16. Other Information

Issue Date	05 October 2015
Revision Reason	New SDS

The information presented in this SDS relates to the specific material referenced and may not be valid for the purchaser's use of the referenced product. This SDS was prepared with reasonable care, and the information was gathered from sources which are believed to be accurate as of the date compiled. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to determine for himself the suitability of the reference material for his own use.

End of SDS