

H&B PETROLEUM COMPANY
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MATERIAL SAFETY DATA SHEET

DATE: JULY 2014

A. IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME CAS NUMBER 64742-30-9
HABCOOL 344 SULPHUR AND CHLORINE FREE CUTTING OIL

CHEMICAL NAME PRODUCT APPEARANCE & ODOR
Petroleum Oil TRANSPARENT, SLIGHT ODOR

EMERGENCY PHONE NUMBER
973-777-0300

B. COMPONENTS AND HAZARD INFORMATION

CONTAINS NO HAZARDOUS COMPONENTS.

<u>COMPONENTS</u>	<u>CAS NO. COMPONENTS</u>	<u>CONCENTRATION</u>
PETROLEUM OIL	64742-30-9	75% - 95%
TRIGLYCERIDE	8001-85-2	BALANCE

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

<u>HEALTH</u>	<u>FLAMMABILITY</u>	<u>REACTIVITY</u>	<u>OSHA OIL MIST EXP (TWA)</u>
1	1	0	5 MG/M3

C. FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (MIN C/F) ASTM D 92 AUTOIGNITION TEMPERATURE (C/F)
350* COC N/A

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

<u>HEALTH</u>	<u>FLAMMABILITY</u>	<u>REACTIVITY</u>
1	1	0

D. PHYSICAL DATA

The following data are approximate or typical values and should not be used for precise design purposes.

BOILING RANGE (MIN C/F) IBP APPROX. BY ASTM VAPOR PRESSURE (MM Hg @ 20°C)
500-600°F 0.008

SPECIFIC GRAVITY (H2O=1) APPROX. VAPOR DENSITY (AIR=1) APPROX.
0.845 8

pH VISCOSITY (ISO-VG)
32-480 (TYP)

SOLUBILITY IN WATER (@ 1 ATM. 25°C)
NEG.

E. TRANSPORTATION INFORMATION

DOT IDENTIFICATION NUMBER: NOT REGULATED
OSHA REQUIRED LABEL INFORMATION: Follow local Right To Know Laws.

FIRST AID MEASURES

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.

SKIN CONTACT

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.

EYE CONTACT

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

INGESTION

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

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

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

Inappropriate Extinguishing Media: Straight streams of water.

FIRE FIGHTING

Fire Fighting Instructions: 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 a flammable mixture.

Hazardous Combustion Products: Smoke, Fume, Aldehydes, Sulfur oxides, incomplete combustion products, Oxides of carbon.

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 800-424-8802.

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 the 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.

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 unlabelled containers.

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, 5 mg/m³ – OSHA PEL.

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

ENGINEERING CONTROLS

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. No special requirements under ordinary conditions of use and with adequate ventilation.

PERSONAL PROTECTION

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 requirements, if applicable. Types of respirators to be considered for this material include: Particulate air-purifying respirator approved for dust/oil mist is recommended. For high airborne concentrations, use an 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 warning properties are poor, or if 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 shields 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 the 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.

PHYSICAL PROPERTIES

General Information:

Physical State: Liquid

Color: PALE

Odor: Characteristic

Odor Threshold: N/D

STABILITY AND REACTIVITY

Stability: Material is stable under normal conditions.

Conditions to Avoid: Excessive heat. High energy sources of ignition.

Materials to Avoid: Strong oxidizers.

Hazardous Decomposition Products: Material does not decompose at ambient temperatures.

Hazardous Polymerization: Will not occur.

CHRONIC/OTHER EFFECTS

For the product itself: Repeated and/or prolonged exposure may cause irritation to the skin, eyes, or respiratory tract.

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 261 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.

EMPTY CONTAINER WARNING

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 PRESSURISE, 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.**

TRANSPORT 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.

The information presented in this MSDS relates to the specific material referenced and may not be valid for the purchaser's use of the referenced product. This MSDS 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.