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EMERGENCY: INFOTRAC 1-800-535-5053 24 HOURS/DAY, 7 DAYS/WEEK

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION I – IDENTIFICATION

Product Name: HTO-45+
Chemical Identification: Petroleum Hydrocarbon Oil
CAS #: Mixture

SECTION II – INGREDIENTS AND HAZARD CLASSIFICATION

If present, IARC, NTP, and OSHA carcinogens and chemical subject to the reporting requirements of SARA Title III Section 313 are identified in this section.

Chemical Name: Hydro-treated neutral oil-based C15-C30
CAS#: 72623-86-0
Weight Percentage: 100%
Exposure Standard: OSHA PEL: Mist 5 Mg/m³ 8 Hrs.
ACGIH TLV: Mist 5 Mg/m³ 8 Hrs.

SECTION III – PHYSICAL DATA

Boiling Point: IBP > 350 ° F IBP > 176 ° C
Melting Point: Not applicable
Vapor Pressure: < 0.0001 Mm Hg @ 20 ° C
Vapor Density (Air = 1): > 5
Specific Gravity (Water = 1): 0.88
Molecular Weight: 7.41
Appearance: Colorless liquid
Solubility in Water: Negligible in water
Percent Volatiles: Nil
Evaporation Rate: 1,000 times slower than ethyl ether
pH: Essentially Neutral
Viscosity (Sus @ 100 ° F): 154.5
Volatile Organic Compounds, % Weight: 0.00

SECTION IV – FIRE AND EXPLOSION DATA

Flash Point: 432 °F Cleveland Open Cup ASTM D92

Auto-ignition: > 650 °F

Flammability Class: III B

Hazardous Decomposition Products: Combustion may produce carbon monoxide and other asphyxiates.

Extinguishing Media: Dry chemical, carbon dioxide, water fog and foam. **NOTE:** Water, fog, and foam may cause frothing and spattering.

Fire Fighting Procedures: Use water spray to cool containers exposed to flames. Fire fighting personnel should wear respiratory protection (positive pressure mode). **DO NOT** enter an enclosed or confined space without proper protective equipment. Products of combustion include fumes, smoke, and carbon monoxide.

Fire and Explosion Hazards: Slightly combustible. OSHA/NFPA Class III B combustible liquid. If heated above its flash point it will release flammable vapors that can burn in the open or be explosive in confined spaces if exposed to ignition source. Mist or sprays may be flammable below its normal flash point. Keep away from extreme heat or open flame.

NFPA Codes: HEALTH –1 FLAMMABILITY –1 REACTIVITY –0

SECTION V – REACTIVITY DATA

Hazardous Polymerization: Will not occur

Stability: Stable

Incompatibility: Strong oxidizers. Never permit oil to get in oxygen regulator.

Conditions to Avoid: Sources of ignition.

Hazardous Decomposition Products: Oxides of Carbon when burned.

SECTION VI – HEALTH HAZARD INFORMATION

Emergency Overview: Physical Appearance: Clear, viscous liquid w/ characteristic odor.

Potential Health Effects:

Eyes: No significant effects beyond minor irritation are expected.

Skin: No significant effects beyond minor irritation are expected.

Skin absorption: No evidence of harmful effects from available information.

Ingestion: Gastrointestinal tract irritation and/or discomfort possible.

Inhalation: Moderate respiratory discomfort and/or headaches. Toxic systemic effects from inhalation are expected to be minor.

Medical Conditions Aggravated: Individuals with pre-existing respiratory tract (nose, throat, and lungs) eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

Routes of Entry: Absorption, inhalation, ingestion.

Eye Effects: Low hazard for usual industrial handling or commercial handling by trained personnel.

Skin Effects: No significant effects beyond minor irritation are expected.

Sensitization: Based on best current information, there is no known human sensitization associated with this product.

CARCINOGENICITY:

IARC: Not listed by IARC

NTP: Not listed by NTP

OSHA: Not listed by OSHA

MUTAGENICITY: Experimental evidence suggests that this product does not cause Mutagenesis.

REPRODUCTIVE EFFECTS: Based on best current information, there is no known Reproductive toxicity associated with this product.

Environmental Data: No data is available on the adverse effects of this material on the environment. A film or sheen will cause discoloration of the water surface or adjoining shoreline.

First Aid:

Eyes: immediately flush with plenty of water for 15 minutes. If irritation persists, seek medical attention.

Skin: Remove contaminated clothing including shoes and immediately wash affected area with plenty of soap and water. Seek medical attention if irritation persists. Wash contaminated clothing and shoes before reuse.

Ingestion: Do not induce vomiting. Danger from aspirating into lungs exceeds short term toxic effects. Seek medical attention.

Inhalation: Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Seek medical attention.

SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE

Handling: Store in cool, dry, ventilated area away from excessive heat, sparks and open flames. Avoid prolonged or repeated contact with skin and/or breathing of vapors when handling. Keep containers closed when not in use.

Storage: Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

Respiratory Protection: Normally not required if there is adequate ventilation. If exposure limit is exceeded, NIOSH/MSHA approved respirator is required.

Ventilation: If mist is present, provide adequate ventilation to control the level below the permissible exposure limit.

Protective Gloves: Polyvinyl, chloride, neoprene, nitrile, polyvinyl alcohol, and viton.

Eye Protection: Safety glasses or splash goggles recommended.

Other Protective Clothing: If there is a likelihood of oil splashing, an oil resistant apron should be worn to prevent clothing contamination.

Never wear oil soaked clothing. Launder or dry-clean before wearing. Discard oil soaked shoes. Affix proper warning labels on containers in accordance with 29 CFR 1910.1200.

Handling & Storage: Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. "Empty" oil containers may contain explosive vapors. NFPA Class III B storage. Wash thoroughly after handling.

Engineering Controls: If current ventilations practices are not adequate to maintain air-borne concentrations below the established exposure guideline, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

SECTION VIII – CONTROL MEASURES

Steps to be taken in Case Material is Released or Spilled: Shut off ignition sources. Contain spill and keep from entering waterways or sewers. Use personal protective equipment. Advise EPA; state agency if required. Absorb on inert material. Shovel, sweep, or vacuum spill.

Waste Disposal Method: Dispose of in accordance with all applicable federal, state, and local regulations. Materials may become hazardous waste through use. If permitted, incineration may be practical. Consider recycling.

Disposal Method: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites.

Empty Containers: Keep containers closed when not in use. Do not reuse empty containers.

SECTION IX – TRANSPORTATION INFORMATION

Dot Hazard Classification: Not Regulated

DOT (Department of Transportation) Primary Hazard Class/Division: Not regulated

UN/NA Number: None

SECTION X – REGULATORY INFORMATION

UNITED STATES:

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: None known at or greater than 1.0% (0.1% for carcinogens)

Fire: No **Pressure Generating:** No **Reactivity:** No **Acute:** No **Chronic:** No

CERCLA (Comprehensive Response, Compensation, and Liability Act)

CERCLA Regulatory: None

TCSA (Toxic Substance Control Act) Regulatory: All intentional ingredients listed on the TSCA inventory.

SECTION XI – SPECIAL PRECAUTIONS

Prepared By: Mark D. Latunski
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