

MATERIAL SAFETY DATA SHEET

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)
This material safety data sheet conforms to the requirements of ANSI Z400.1

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

HTO45+ – HTO 45+

Manufacturer/Supplier:

American Chemical Technologies, Inc.
485 E. Van Riper Road, Fowlerville, MI 48836
Office: 517-223-0300 Fax: 517-223-1703

Emergency Spill Information:

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

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Range % by wt.</u>
Hydro-treated neutral oil-based C15-C30	72623-86-0	100%
OSHA PEL: Mist 5 Mg/m ³ 8 Hrs.		
ACGIH TLV: Mist 5 Mg/m ³ 8 Hrs.		

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview: This product has been evaluated and does not require any hazard warning on the label under OSHA criteria.

Potential Health Effects:

Eye Contact: No significant effects beyond minor irritation are expected.

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

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

Ingestion: Gastrointestinal tract irritation and/or discomfort possible.

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

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

HMIS Code: (Health:1) (Flammability:1) (Reactivity:0) (Protection: C)

NFPA Code: (Health:1) (Flammability:1) (Reactivity:0)

SECTION 4 – FIRST AID MEASURES

Eye: Immediately flush eyes with water for 15 minutes. If irritation continues consult a physician.

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.

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

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

Primary Routes of Entry: Breathing mists by inhalation or ingestion.

Effects of Chronic Overexposure: Dizziness, nausea, and headaches. Eye and skin irritation if prolonged or repeated contact.

SECTION 5 – FIRE FIGHTING MEASURES

Flashpoint: 432 °F **Method:** C.O.C. ASTM D-92

UEL: Not determined.

LEL: Not determined.

Autoignition Temperature: >650 °F.

Flammability Classification: III B.

Extinguishing Media: Agents approved for Class B (e.g., dry chemical, carbon dioxide, foam, steam) or water fog. Water, fog, and foam may cause frothing and spattering.

Unusual 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.

Fire Fighting Equipment: 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.

Hazardous Combustion Products: Incomplete combustion results in oxides of carbon.

SECTION 6 – ACCIDENTAL RELEASE 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.

SECTION 7 – HANDLING AND STORAGE

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.

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.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye: Safety glasses or splash goggles recommended.

Skin: Wear oil impermeable gloves if prolonged or repeated contact is likely. Polyvinyl, chloride, neoprene, nitrile, polyvinyl alcohol, and viton.

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

Engineering Controls: If current ventilations practices are not adequate to maintain air-born 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.

Other Protective Equipment: 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.

SECTION 9 – CHEMICAL AND PHYSICAL PROPERTIES

Appearance and Odor : Clear colorless liquid with petroleum odor

pH : Not applicable

Vapor Pressure : < 0.0001 Mm Hg @ 20 ° C

Vapor Density : >5 (air=1)

Boiling Point : >350 °F (>176 °C) initial boiling point

Melting Point : not applicable

Solubility in water : Nil

Specific Gravity : 0.88 (water = 1)

Evaporation Rate : 0.001 (ether = 1)

Percent Volatiles : 0%
Viscosity : 154.5 SUS @ 100 ° F

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: Sources of ignition. Never permit oil to get in oxygen regulator.

Materials to Avoid: Avoid chlorine, fluorine, and other strong oxidizers.

Hazardous Decomposition: None identified.

Hazardous Polymerization: Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

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.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental Date: 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.

SECTION 13 – DISPOSAL INFORMATION

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.

Disposal must be in accordance with applicable federal, state, or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

U.S. Dept. of Transportation

Shipping Name: not regulated

Hazard Class: not regulated

Identification number: none

SECTION 15 – 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 16 – SPECIAL PRECAUTIONS

Keep containers closed until ready for use. Keep out of the reach of children! Store away from open flames and strong oxidizers

Prepared By: Mark D. Latunski

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The information provided herein is believed to be accurate to the best of the company's knowledge as of the date of its issue. We do not warrant or guarantee the information provided and will not be held liable for any loss or damage from its use.