



CHEMISPHERE CORPORATION

Chemisphere Corporation
2101 Clifton Ave
St. Louis, MO 63139

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Product Name: CC-TO T-OFF
Product Code: 03990 Mineral Spirits <1% Aromatics
Chemical Name: Distillates (petroleum), hydro treated
light
CAS#: 64742-47-8
SDS Date: November 18, 2019

Chemisphere Corporation
2101 Clifton Ave
St. Louis, MO 63139

Distributed by:
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CHEMTREC: 800-424-9300

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Classification:

Flammable liquids, Category 3
Aspiration Hazard, Category 1

GHS Labeling



Symbol:

Signal Word: Danger

Hazard Statements:

Flammable liquid and vapor
May be fatal if swallowed and enters airways

Precautionary Statements:

Prevention: Wear gloves, eye or face protection.
Keep away from heat/sparks/open flames/hot surfaces, no smoking.
Ground/bond container and receiving equipment.
Take precautionary measure against static discharge.
Use only non-sparking tools. Keep container tightly closed.

Response: If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower.
In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified: None known. This product does not contain carcinogens or potential carcinogens as listed by IARC, NTP, or ACGIH.

Potential Environmental Effects: See Section 12 for more information.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

No.	Component CAS REG. NO.	Amount (%)
1	Distillates (petroleum), hydrotreated light, CAS# 64742-47-8	100

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Other means of Identification: Kerosine - unspecified; Distillates, petroleum, hydrotreated light; Hydrotreated light distillate; Kerosene (petroleum), hydrotreated; HYDROTREATED KEROSENE; Jet fuels, DISTILLATES; Deodorized kerosene; Dearomatized kerosene;

Section 4: FIRST AID MEASURES

Emergency first aid procedures by route of exposure:

- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Wash mouth out with water. Never give anything by mouth to a victim who is unconscious or is having convulsions. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
- Skin:** Take off immediately all contaminated clothing. Immediately flush skin with plenty of water. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if irritation develops and persists. Wash clothing separately before reuse.
- Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

General advice: Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Section 5: FIRE FIGHTING MEASURES

Flash Point Distillates (petroleum), hydrotreated light:	105°F (TCC) = 41°C
Auto-ignition Temperature Distillates (petroleum), hydrotreated light:	473°F
Lower Explosion Limit Distillates (petroleum), hydrotreated light:	0.8%
Upper Explosion Limit Distillates (petroleum), hydrotreated light:	not available

Suitable Extinguishing Media: Use dry chemical, CO₂, or regular foam. Do Not use water stream, may spread fire.

Products of Combustion: Upon decomposition this product may emit carbon dioxide, carbon monoxide, and/or low molecular weight hydrocarbons. Fire may produce irritating, corrosive and/or toxic gases.

Fire Fighting Equipment/Instructions: In case of fire and/or explosion do not breathe fumes. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Special protective equipment for firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Keep unnecessary personnel away. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them.

Environmental Precautions: Prevent discharge to open bodies of water, municipal sewers, and watercourses. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Method for Containment: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use water spray to reduce vapors or divert vapor cloud drift. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Methods for Clean-up: Extinguish all flames in the vicinity. Should not be released into the environment.

Small Spills: Wipe up with absorbent material (e.g. cloth). Clean surface thoroughly to remove residual contamination.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Scrub the area with detergent and water.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.

Section 7: HANDLING AND STORAGE

Handling: Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with

eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. All equipment used when handling the product must be grounded. Avoid release to the environment.

Storage: Store in accordance with local regulations. Store in a well-ventilated place. Keep container tightly closed. The pressure in sealed containers can increase under the influence of heat. Protect material from direct sunlight. Keep away from heat and sources of ignition. Do not smoke. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Refrigeration recommended.

Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Component CAS REG. NO.	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
Distillates (petroleum) hydrotreated light, CAS# 64742-47-8	200 ppm	Not avail	Not avail	Not avail

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protective Equipment (PPE)

Respiratory Protection: Use only with adequate ventilation. Whenever workplace conditions warrant respirator use. A respiratory protection program that meets OSHA's 29CFR 1910.134 or ANSI Z88.2 requirements must be followed

Eye/Face Protection: Chemical goggles are recommended. Face-shield. Eye wash fountain is recommended.

Hand Protection: Wear chemical protective equipment that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Body: When skin contact is possible, protective clothing including apron, sleeves, boots, head and face protection should be worn.

General hygiene considerations: When using do not smoke. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

Other Protective Equipment: Facilities storing or utilizing this material should be equipped with eyewash and safety shower facilities.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance, State: Liquid [Mobile Liquid]

Color: Clear

Odor: Mild hydrocarbon.

pH: Not Available

Vapor Density: 3.9

Boiling Point: 148.89 to 212.78°C (300 to 415°F)

Vapor Pressure: 1.95mmHg @68°F

Melting Point: -49°C (-56.2°F)

Flash Point: Closed cup: 40°C (104°F) [Tagliabue.]
Flammability Properties (See section 5)
Solubility: (in water) negligible in water.
Specific Gravity: 0.7623 g/cm³
Evaporation Rate: Not Available
Octanol/Water partition coefficient: Not applicable
Auto-ignition temperature: >220°C (>428°F)
Decomposition temperature: Not Available
Viscosity: Kinematic (40°C (104°F)): <0.1 cm²/s (<10 cSt)

Section 10: STABILITY AND REACTIVITY

Stability: This material is considered stable at ambient temperatures 70°C (21°C).

Condition to Avoid: Flames, sparks, electrostatic discharge, heat and other ignition sources, moisture.

Incompatible Materials: Strong oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous Reactions: This product will not undergo polymerization.

Section 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: Distillates (petroleum), hydrotreated light (64742-47-8)

Analysis LD50

Inhalation LC50 Rat >5.2 mg/L 4 h;

Oral LD50 Rat >5000 mg/kg;

Dermal LD50 Rabbit >2000 mg/kg

CHRONIC EFFECTS: Distillates (petroleum), hydrotreated light (64742-47-8)

Carcinogenic Effects: Not classifiable as a human carcinogen

Mutagenic Effects: Not Available

Teratogenic Effects: Not Available

Developmental Toxicity: Not Available

Target Organs: Lungs, Nervous System, Digestive System, Respiratory Tract, Skin, Eyes. Eyes: Avoid contact with eyes. Skin: Avoid contact with skin. Inhalation: Toxic by inhalation. Do not breathe mist/vapors/spray. Ingestion: Do not ingest.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Distillates (petroleum), hydrotreated light (64742-47-8)

96 Hr LC50 Pimephales promelas: 45 mg/L [flow-through];

96 Hr LC50 Lepomis macrochirus: 2.2 mg/L [static];

96 Hr LC50 Oncorhynchus mykiss: 2.4 mg/L [static]

96 Hr LC50 Den-dronereides heteropoda: 4720 mg/L

Section 13: DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14: TRANSPORT INFORMATION

Proper Shipping Name: Petroleum distillates, n.o.s.

Hazard Class: 3

Identification No.: UN1268

Packing Group: III

Label: Flammable

Section 15: REGULATORY INFORMATION

TSCA Inventory This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

SARA 302/304: No components were identified.

SARA 313: No components were identified.

CERCLA The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are: No components were identified.

SARA 311/312 Hazard: This material would be classified under the following hazard categories: Fire hazard, Immediate Health Hazard.

Section 16: OTHER SUPPLEMENTAL INFORMATION

Prepared by: Chemisphere Corporation on 11/19/2019

Disclaimer:

The information and recommendations contained in the Safety Data Sheet (SDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

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