



MATERIAL SAFETY DATA SHEET

CIRCLESOL[®] M

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

CIRCLE SYSTEMS, INC.

479 W. Lincoln, P.O. Box 1228

Hinckley, IL 60520

815-286-3271 / After Hours EMERGENCY RESPONSE: Chem-tel 800-255-3924 Contract# MIS0001649

TRADE NAME: **CIRCLESOL[®] M**

FORMULA: Petroleum Hydrocarbon Distillate

HMIS Rating: Health 1, Flammability 1, Reactivity 0

2. COMPOSITION, INFORMATION ON INGREDIENTS:

<u>MATERIAL</u>	<u>C.A.S. #</u>	<u>%</u>	<u>TLV</u>
Petroleum Hydrocarbon Distillate	64742-47-8	100	No Limit

3. HAZARDS IDENTIFICATION:

THRESHOLD LIMIT VALUE: n.a.

EFFECTS OF OVEREXPOSURE: Avoid eye and skin contact. Product may be slightly irritating to eyes upon direct contact. Product is non-irritating to skin upon direct contact but prolonged or repeated contact may result in dermatitis which makes the skin more susceptible to other irritants. Product is not expected to present an inhalation hazard. There is a Threshold Limit Value (TLV) for oil mist of 5 mg/m³. Caution should be taken to prevent aerosolization or misting. Do not ingest. Ingestion of small quantities is usually not fatal unless aspiration occurs. Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage, and may be fatal.

4. FIRST AID MEASURES:

EYES: Flush with copious amounts of water; continue flushing until irritation subsides.

INHALATION: Remove subject to fresh air. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available.

SKIN: Wash contaminated area thoroughly with soap and water.

INGESTION: Do not induce vomiting; call a physician immediately.

SEEK MEDICAL ATTENTION IN ALL CASES

5. FIRE FIGHTING MEASURES:

FLASH POINT (METHOD USED): 215°F (Pensky Martins Closed Cup)

FLAMMABLE LIMITS: Lower – 1.0%; Upper – 6.0%

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Water may be ineffective but can be used to cool fire-exposed containers. Water or foam may cause frothing to occur when sprayed into burning containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

6. ACCIDENTAL RELEASE MEASURES:

Contain spill immediately. Do not allow spill to enter sewers or water courses. Remove all sources of ignition. Absorb with appropriate inert material such as sand, clay, etc.

7. HANDLING AND STORAGE:

Store in closed containers away from heat, sparks, open flame, and oxidizing materials. Fire extinguishers should be kept readily available. Do not transfer to unmarked containers.

OTHER PRECAUTIONS: Equipment using any solvent must be fully insulated and grounded to avoid possible explosion. No smoking or open lights. Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION:

VENTILATION REQUIREMENTS: Local exhaust if OSHA limits are exceeded; adequate ventilation when vapor or mist is generated.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:

EYE: Splash-proof safety goggles or plastic face shield

RESPIRATORY: As needed in confined or enclosed spaces; when vapor or mist is generated.

GLOVES: Recommended for prolonged or repeated exposure – impervious synthetic rubber

OTHER CLOTHING & EQUIPMENT: Impervious synthetic rubber boots, apron, etc. recommended for body parts subject to prolonged exposure

9. PHYSICAL AND CHEMICAL PROPERTIES:

BOILING POINT: 455-525°F

SPECIFIC GRAVITY (H₂O=1): 0.82

VAPOR PRESSURE: <.4 MM/HG @ 100°F

% VOLATILE BY VOLUME: 100

VAPOR DENSITY (AIR=1): 6.2

EVAPORATION RATE (ETHER=1): n.a.

SOLUBILITY IN WATER: Insoluble

APPEARANCE & ODOR: Clear, water-white liquid, odorless

10. STABILITY AND REACTIVITY:

STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: n.a.

INCOMPATIBILITY: Strong oxidizers

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION:

TLV (Threshold Limit Value): n.a.

CARCINOGENICITY: Contains no known suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH

12. ECOLOGICAL INFORMATION:

No available data.

13. DISPOSAL CONSIDERATIONS:

Dispose of all the waste material according to applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION:

D.O.T. SHIPPING NAME: Not Regulated.

D.O.T. Hazard Class: None

U.N./N.A. Number: None

Canadian Labels: Not Applicable

15. REGULATORY INFORMATION:

TSCA (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act): NOT Reportable.

SARA TITLE III (Superfund Amendments and Reauthorization Act), SECTION 313 (Reportable Ingredients): No reportable ingredients.

CALIFORNIA PROPOSITION 65: Contains nothing on this list.

16. OTHER INFORMATION:

PREPARED BY: Deborah A. Shreve

TITLE: Vice President/Director of Quality Control

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