

MATERIAL SAFETY DATA SHEET

AST, Inc.
7143 Bernville Road
Bernville, PA 19506
Phone: (610) 488-7643

SECTION 1- PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: Circadia ENTICE Pheromone
CHEMICAL FAMILY: Alcohol
PRODUCT DESCRIPTION: Denatured alcohol with pheromone

SECTION 2- HAZARDOUS INGREDIENTS INFORMATION

<u>COMPONENT INFORMATION</u>	<u>CAS REG NO.</u>	<u>TLV</u>
ETHYL ALCOHOL	64-1 7-5	1000 ppm
WATER	7732-18-5	NONE
DIETHYL PHTHALATE	84-66-2	TWA 5 <i>mg/m</i> ³

SECTION 3- PHYSICAL DATA

BOILING POINT: 173 DEG. F (for pure ethyl alcohol)
VAPOR DENSITY: Heavier than air
EVAPORATION RATE: Slower than ether
SPECIFIC GRAVITY: 0.815
WT. PER GALLON: 6.82
% VOLATILE (by volume): 100%
ODOR: Typical
APPEARANCE: Clear, water white

SECTION 4- FIRE & EXPLOSION HAZARDS

FLASH POINT: 60 DEG. F (TCC)
FLAMMABLE LIMITS: 3.3 lower! 19 upper (for pure ethyl alcohol)
EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, dry chemical, or water foam
FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with full face-piece operated in the positive pressure demand mode when fighting fires.
SPECIAL FIRE & EXPLOSION HAZARDS: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.
All five-gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred.

EYE CONTACT: Can cause severe irritation, redness, tearing, and blurred vision.
SKIN CONTACT: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects, including dizziness, weakness, fatigue, nausea, headache, and possible unconsciousness.
INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

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SECTION 5 - FIRST AID

EYE CONTACT: Flush eyes with large amounts of water until irritation subsides - if irritation persists, seek medical attention.

SKIN CONTACT: Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing including shoes, and launder before reuse.

INHALATION: If inhaled, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, and seek medical attention.

INGESTION: Immediately drink two glasses of water and induce vomiting by either giving ipecac syrup, or placing finger at back of throat. Never give anything by mouth to an unconscious person. Get medical attention immediately. (Aspiration of material into lungs can cause chemical pneumonitis.)

SECTION 6- REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Will not occur

STABILITY: Stable

INCOMPATIBILITY: Avoid contact with strong oxidizing agents, strong acids and strong bases

SECTION 7- SPILL/LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

SMALL SPILL: Absorb liquid on vermiculite, floor absorbent, or other absorbent material.

LARGE SPILL: Eliminate all ignition sources (flares, flames, sparks) Persons not wearing protective equipment should not be in the area until cleanup is complete. Stop spill at source. Prevent from entering drains, sewers, streams, or other bodies of water. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to other container for disposal.

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state, and federal regulations.

SECTION 8- PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSA approved air-supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSA respirators under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION: Provide sufficient mechanical (general or local exhaust) ventilation to maintain exposure below TLV(s).

PROTECTIVE GLOVES: Wear resistant gloves such as neoprene, or nitrile rubber.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised.

OTHER PROTECTIVE EQUIPMENT: Boots, or other impervious clothing

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SECTION 9- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN WHEN HANDLING AND STORAGE: Store in well-ventilated area. Keep out of direct sunlight or other heat sources. Keep containers closed at all times. **NO SMOKING!**

OTHER PRECAUTIONS: Do not take internally; harmful or fatal if swallowed. Containers should be grounded when pouring. Avoid free-fall of liquid in excess of a few inches. Close container after each use. Do not transfer contents to bottles or other unlabelled containers. Avoid prolonged contact with skin, and breathing vapors or spray mist. Extinguish pilot lights, use **NON-SPARKING TOOLS**, and explosion-proof equipment. Keep away from heat, sparks, and open flames. Do not apply to hot surfaces. Use only with adequate ventilation.

EMPTY CONTAINER WARNING: "EMPTY" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such **containers to heat, flame, sparks, or other ignition sources: they may explode and cause injury** or death. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

SECTION 10- OTHER DATA

HMIS HAZARD RATING

Health Hazard 2
Flammability : 3
Reactivity: 0

SCALE

0=least
1=slight
2=moderate
3=high
4= extreme

DOT Proper Shipping Name: ETHYL ALCOHOL (DENATURED)
DOT Hazard Class: 3 (FLAMMABLE)
DOT Identification Number: IJN1170

6/9/2009

Circadia Name: ENTICE Pheromone