

## M A T E R I A L   S A F E T Y   D A T A   S H E E T

SHADOW AWAY

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PRODUCT NAME: SHADOW AWAY  
 PRODUCT CODE: F5646

HMIS CODES: H F R P  
 1 1 1 B

## SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: ATHENA PACKAGING, INC  
 ADDRESS : 776 HIGHWAY 11, BLDG D  
 MONROE, GA 30655  
 (678)-635-8060

Manufactured  
 Exclusively For:

Practical Science Solutions  
 P. O. Box 1898  
 Dacula, GA 30019  
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DATE OF PREPARATION : 7-28-09

## SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT PERCENT
		MM HG @ TEMP		
ETHANOL 400PPM PEL,TWA/TLV	64-17-5			
* METHYL PYRROLIDONE	972-50-4	.3	68F	33
CITRUS TERPENE	68647-72-3	1	20C	

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. \*\*\*\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:  
 OVER 300 F

SPECIFIC GRAVITY (H2O=1): .9

VAPOR DENSITY: NOT APPLICABLE

EVAPORATION RATE:

Slower than n-Butyl Acetate.

MATERIAL V.O.C.: 7.156 lb/gal

SOLUBILITY IN WATER:

Insoluble

APPEARANCE AND ODOR:

Citrus odor, clear, water white to light yellow liquid.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:  
 145 F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.3 UPPER: 9.5

FLAME EXTENSION:

Combustible.

EXTINGUISHING MEDIA:

FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

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**SPECIAL FIREFIGHTING PROCEDURES**

Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Handle as flammable liquid. Vapors form an explosive mixture in air between the upper and lower explosive limits which can be ignited by many sources such as pilot lights, open flames, electrical motors and switches.

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**SECTION V - REACTIVITY DATA**

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**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID**

Ignition sources such as heat, sparks, flames.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Strong acids and strong oxidizing agents such as chlorine bleach.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

Carbon Monoxide, Carbon Dioxide and Hydrogen gas.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

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**SECTION VI - HEALTH HAZARD DATA**

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**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Vapors cause irritation of the respiratory tract. Air concentrations exceeding recommended exposure limits may cause acute nervous system depression, characterized by headache, dizziness, nausea, confusion, irregular heartbeat and elevated Carbon Monoxide levels in the blood. Higher air concentrations may cause unconsciousness and death.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

**EYE CONTACT:** Liquid or mist causes irritation, experienced as stinging, excess blinking and tear production, with excess redness of the conjunctive.  
**SKIN CONTACT:** Causes mild skin irritation.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

**SKIN ABSORPTION:** No evidence of harmful effects from available information.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

**INGESTION:** Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may cause nausea and vomiting and may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage which can be harmful or fatal.

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**HEALTH HAZARDS (ACUTE AND CHRONIC)**

May cause skin and respiratory sensitization (allergic reaction). M-PYRROL is fetotoxic when dosed orally and dermally to pregnant rats near the LD-50. This data is not believed relevant in the workplace.

**CARCINOGENICITY:** NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Those of the respiratory system and skin.

**EMERGENCY AND FIRST AID PROCEDURES**

**INHALATION:** Remove to fresh air. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen provided a qualified operator is available. Get medical attention.

**EYE CONTACT:** Immediately flush with running water for at least 15 minutes, lifting eyelids periodically to remove contamination. Get medical attention if irritation persists.

**SKIN CONTACT:** Wash thoroughly with soap and water and see a doctor if irritation persists.

**INGESTION:** If ingested, do not induce vomiting, keep person warm, quiet, and get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Keep spectators away. Eliminate all ignition sources (flames, hot surfaces and sources of electrical, static or frictional sparks) and ventilate area. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent.

**WASTE DISPOSAL METHOD**

Dispose in accordance with federal, state and local regulations for non-hazardous chemical wastes.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Avoid prolonged or repeated skin contact.

Do not swallow.

Avoid contact with eyes.

Use with adequate ventilation.

Store in a cool area away from sunlight and other chemicals especially acids and ammonia.

**DO NOT MIX WITH OR ALLOW CONTACT WITH BLEACH OR OTHER CHLORINE BEARING COMPOUNDS AS TOXIC GASSES MAY BE RELEASED.**

Do not store above 120 degrees F. Do not puncture or incinerate container. Store and use only in a cool, well ventilated area away from all sources of ignition such as sparks, open flames and heated surfaces.

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**OTHER PRECAUTIONS**

Close container after each use. Do not weld, braze or cut an empty container. Empty container must not be washed and reused for any purpose. Use only with adequate ventilation or with proper respiratory protection. Keep out of Reach of Children.

**SECTION VIII - CONTROL MEASURES****RESPIRATORY PROTECTION**

NOT APPLICABLE

**VENTILATION**

General mechanical ventilation or local exhaust.

**PROTECTIVE GLOVES**

Wear appropriate impermeable gloves.

**EYE PROTECTION**

Safety glasses or goggles should be worn if eye contact is possible.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

NOT APPLICABLE

**WORK/HYGIENIC PRACTICES**

Avoid prolonged or repeated skin contact. Do not ingest. Avoid contact with eyes. Avoid breathing fumes. Use only with adequate ventilation. Wash hands after using and before smoking or eating.

**SECTION IX - DISCLAIMER**

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE AND OBTAINED FROM SOURCES BELIEVED BY ATHENA PACKAGING, INC. TO BE ACCURATE.

**SECTION X - TRANSPORTATION****DOT**

PROPER SHIPPING NAME: NOT APPLICABLE

HAZARD CLASS: NOT APPLICABLE

UN NUMBER: NOT APPLICABLE

PACKAGING GROUP: NOT APPLICABLE