

MATERIAL SAFETY DATA SHEET

AMERICAN COATINGS CORPORATION
3037 NW 60th STREET
FT. LAUDERDALE, FL 33309
(954)970-7820

EMERGENCY TELEPHONE
(800) 533-0151

DATE OF PREPARATION
July 1, 2008

SECTION I - PRODUCT INFORMATION

PRODUCT NAME: ZAP-O	TRADE NAME: Citrus Stripper Oil; D'Limonene; Citrus Terpenes	
TRANSPORTATION INFORMATION:		HMIS
Terpene Hydrocarbons, N.O.S.	Health	1
DOT #: UN 2319 Combustible Liquid	Flammability	2
(Placard Exemption 173.150(f) applies)	Reactivity	0
HAZARD CLASS: 3 (3.3 Canada)		
PACK GRP: III		

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	Percent	Exposure Limits
Citrus Terpenes/d'Limonene [94266-47-4]	>90	8h TWA=30 ppm (AIHA Standard)

SECTION III - PHYSICAL DATA

BOILING RANGE:	310°F-349°F	VAPOR PRESSURE (mmHg):	2mmHg @ 20°C
REFRACTIVE INDEX @20°C:	1.4710	WATER SOLUBILITY:	Insoluble
SPECIFIC GRAVITY:	.84	PERCENT VOLATILE:	>95%
EVAPORATION RATE:	Medium/Fast	APPEARANCE:	Colorless to amber hue
ODOR:	Citrus Odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

FLASH POINT: >110°F (TCC) LEL: 0.7% UEL: 6.1%

EXTINGUISHING MEDIA: Carbon dioxide, foam or dry chemical. Water is unsuitable.

SPECIAL FIREFIGHTING PROCEDURE: SCBA recommended and full fire-fighting turnout gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid. Keep away from sparks, heat and open flame. Guard against spontaneous combustion of discarded rags.

SECTION V - HEALTH HAZARD DATA

TLV: Unknown.

HEALTH HAZARD FROM ACUTE EXPOSURE:

Harmful if swallowed. May be irritating to skin and eyes. Ingestion may cause vomiting, headache and other medical problems. May be irritating to skin and eyes. Skin contact may cause redness. Contains a potential skin sensitizer. Eye contact can cause moderate to high irritation. Inhalation can cause nose, throat, and respiratory tract irritation, coughing and headache. Prolonged or repeated exposure can cause drying, defatting and dermatitis of skin.

SIGNS OF OVEREXPOSURE: Product may be irritating to skin, eyes, nose and throat.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Persons with allergies or pre-existing skin conditions should avoid contact with this product.

PRIMARY ROUTES OF ENTRY: Dermal, Inhalation, Eye

TOXICOLOGY:

Acute eye irritation: Eye irritation rabbit. Severely irritating.

Acute Skin Irritation: Skin irritation rabbit. Severely irritating.

Acute Dermal Toxicity: LD₅₀->5g/kg, rabbit.

Acute respiratory irritation: No test data found.

Acute inhalation toxicity: RD₅₀>1g/kg, mice.

Acute Oral toxicity: LD₅₀->5g/kg, rabbit.

Chronic toxicity: Not listed as a probable or suspected human carcinogen by OSHA, NTP, IARC, ACGIH.

Ecotoxicological Data: May be toxic to aquatic organisms

EMERGENCY AND FIRST AID PROCEDURE: Skin - wash with soap and water. Eyes - remove contact lenses immediately; flush with clean water at least 15 minutes. If irritation persists, consult physician. Inhalation - remove to fresh air. If condition persists seek medical attention.

Ingestion - seek medical attention immediately. Do not induce vomiting. Rinse mouth with water. Do not leave victim unattended. Do not administer anything by mouth if victim is unconscious. As with all chemicals, wash hands thoroughly after handling.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: None described.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning generates CO, CO₂, and smoke. Smoke may be acrid and fume irritating.

CONDITIONS TO AVOID: Excessive heat above 115°F. Polymerization catalysts such as aluminum chloride and acidic clay. Keep away from heat, sparks, and flames. Oil soaked may spontaneously combust; place in appropriate disposal container.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers and acidic agents such as clays, halogens, peroxides vinyl chloride and iodine pentafluoride.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use protective gloves to avoid skin contact. Small spills may be wiped up. Absorb large spills with dirt, sand, or other suitable absorbents for disposal. Do not hose spills down drains, sewers or waterways. Move leaking containers to well ventilated area. No smoking. Eliminate any source of ignition. Minimize inhalation. Use NIOSH approved respiratory protection and nonskid footwear. Slippery on floors.

WASTE DISPOSAL METHOD: Incinerate or dispose in accordance with all applicable regulations. Review hazard section of this sheet before attempting clean-up.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: If vapor levels become high, use NIOSH approved respirators.

VENTILATION: General (mechanical) room ventilation is expected to be satisfactory. Mechanical ventilation otherwise when necessary.

PROTECTIVE GLOVES: Impervious/oil resistant gloves.

EYE PROTECTION: Goggles, face shields (oil resistant), or other eyewear to protect from splash. As a general rule, contact lens should not be worn when working with chemicals.

OTHER PROTECTIVE EQUIPMENT: Oil resistant apron/clothing, emergency eye wash and shower stations.

HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Handle as a combustible liquid. Store away from heat, sparks, and open flame. Avoid contact with incompatible chemicals listed in Section VI. Store in tightly sealed containers. Clean up all spills. All handling equipment should be electrically grounded. Product may expand slightly in storage causing pressure to build in container. Open container carefully if product appears under pressure.

WARNING: Do not weld or cut empty containers. Vapors may ignite. Do not use with mechanical or powered tools.

The information described herein is to the best of American Coatings' knowledge accurate as of the date this has been issued. American Coatings makes no warranty expressed or implied regarding this information's accuracy or reliability; moreover, American Coatings shall not be held liable for any losses/damages which may be construed to have developed from this information. It is the users responsibility to determine the suitability of this product for each project onto which it is intended to be used.