

SAFETY DATA SHEET

For Chemical Emergency Spill, Leak, Fire Exposure or Accident

Call INFOTRAC Day or Night

North America: 800-535-5053 International (collect calls accepted): 1-352-323-350

Section 1– Product And Company Information

Supplier's Name: Armchem International Corp

Supplier's Address: 3563 NW 53rd Ct., Ft. Lauderdale FL 33309 Phone: 954-735-0029, Fax: 954-735-0097

Product Name: Citra Solve

Product Number: Cit-100

DOT Proper Shipping/ Hazard Name (49 CFR 172.101): Terpene Hydrocarbons, NOS FLAMMABILITY (Red): NFPA: ND HMIS: 2

DOT ID # (49 CFR 172.101): UN 2319 HEALTH (Blue): NFPA: ND HMIS: 1

DOT Hazard Class (49 CFR 172.101): Class 3, PG III REACTIVITY (Yellow): NFPA: ND HMIS:0

Personal Protection (HMIS)= C

Section 2 – Health Hazard Identification

Primary Route of Exposure: Skin and eyes and inhalation.

Effects of Acute Overexposure:

Skin: Contact can cause severe irritation, allergic reaction, but no tissue damage.

Eyes: Can cause severe irritation, redness, tearing.

Breathing: Excessive inhalation of vapors can cause nausea, nasal and respiratory irritation.

Swallowing: Can cause gastrointestinal irritation, nausea, and vomiting..

Effects of Chronic Overexposure: None known. Not carcinogenic.

Section 3– Components

Component	CAS#	%	ACGIH(TLV-TWA)	OSHA (TWA)	
Citrus Terpenes (d-LIMONENE)	5989-27-5	80-95%		NE	NE
Non-Ionic Surfactants Blend	TRADE SECRET	5-20%		NE	NE

Section 4 - First Aid Measures

If On Skin: Thoroughly wash exposed area with soap and water remove contaminated clothing. Launder before reuse. Get medical attention.

If In Eyes: Flush with water for 15 minutes, lifting upper and lower lids occasionally. Seek medical attention immediately.

If Breathed: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. Keep person warm and quiet. Get medical attention.

If Swallowed: Do not induce vomiting. Drink milk or water. Keep person warm, quiet and seek immediate medical attention.

Section 5 – Fire Fighting Measures

Flash Point: > 144 °F (62.2 °C)

Flammable Limits in Air: — Upper: 6.1% Lower: 0.7%

Extinguishing Media: Regular foam, carbon dioxide, dry chemical, for surrounding fire.

Hazardous Decomposition Products: May form Carbon Oxides, Carbon Monoxides.

Firefighting Procedures: Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.

Special Fire and Explosion Hazards: Do not allow to reach temperatures above 120°F

Section 6 - Accidental Release Measures

Personal Precautions:

For personal protection see section 8. Persons not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed.

Environmental Precautions:

Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs notify authorities as required.

Methods for Cleaning Up Spills:

Small Spill: Absorb onto mop or other material such as soda ash. Dispose as directed by local regulatory norms.

Large Spill: Stop spill at source. Absorb with earth, sand, or other non-combustible material. Keep away from heat and fire source. Provide adequate ventilation. Call authorities for assistance on disposal.

Section 7 – Storage & Handling

KEEP OUT OF REACH OF CHILDREN, For industrial and institutional use only. Do not store at temperatures above 120 °F .

For industrial and institutional use only. Store in a cool, dry, ventilated area away from heat or open flame. Never store at temperatures in excess of 120 °F.

Always store in original container. Follow all label instructions and precautions

Section 8 - Exposure Control / Personal Protection

Respiratory Protection: If workplace exposure limits product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure types) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

Ventilation: Provide sufficient mechanical ventilation to maintain exposure below TLV.

Protective Gloves: Rubber, neoprene or other resistant elastomer.

Eye Protection: Chemical splash resistant goggles or face shield.

Other Protective Clothing & Equipment: Rubber aprons and boots when working with large quantities.

Section 9-Physical And Chemical Properties

Boiling Point: 320 °F

Vapor Pressure: 4.7 mmHg @ 25C

Solubility in Water: Emulsifies

% Volatile: 5-10%

Evaporation Rate: Moderate (slower than water)

Vapor Density: (Air=1): 4.6 / **Specific Gravity (H₂O=1):** 0.860 +/- 0.005

Appearance: Clear liquid, citrus odor

pH: (in emulsion) 7-8

Section 10 – Stability And Reactivity Information

Stability: Stable

Incompatibility (Materials to Avoid): Strong Oxidizing agents. Strong Acids, Bleach.

Hazardous Polymerization: Will not occur

Conditions To Avoid: Exposure to temperature above 120°F

Section 11 - Toxicological Information

Oral Toxicity: (LD50) 5600 mg/kg [Mouse]

(LD50) 4400 mg/kg [Rat]

Inhalation Toxicity: ND

Dermal Toxicity: (LD50) >5 gm/kg [Rabbit]

Irritancy of Product: This product is irritating to the skin, eyes, respiratory, and digestive tract.

Section 12 - Ecological Information

Toxicity: No data

Persistence and Degradability: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Bio-accumulative Potential: May accumulate in aquatic organisms and fish. Has low mobility in soil and may rapidly volatilize in atmosphere.

Other Adverse Effects: The products of degradation are less toxic than the product itself.

Section 13 - Disposal Considerations

Waste Disposal Method:

Disposal should be made in accordance with federal, state, and local regulations.

Section 14 - Transport Information

DOT Proper Shipping/ Hazard Name (49 CFR 172.101): Terpene Hydrocarbons, NOS

DOT ID # (49 CFR 172.101): UN 2319

DOT Hazard Class (49 CFR 172.101): Class 3, PG III

Marine Pollutant: No data

International Air Transport Association Shipping Information (IATA): UN 2319, Terpene Hydrocarbons NOS, Class 3, PGIII

International Maritime Organization Shipping Information (IMO): UN 2319, Terpene Hydrocarbons NOS, Class 3, PGIII

Section 15 - Regulatory Information

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

SARA Section 302: None of the chemicals in this product have a TPQ

European Labeling in Accordance with EC Directives: Hazard Symbols: XI N

Federal and State Regulations:

FLAMMABILITY (Red): NFPA: ND HMIS: 2

HEALTH (Blue): NFPA: ND HMIS: 1

REACTIVITY (Yellow): NFPA: ND HMIS: 0

Personal Protection (HMIS)= C

Section 16 – Special Precautions Or Other Comments

Flammable Liquid: Wash hands with soap and water after use. Avoid contact with open wounds. Although information contained herein is believed to be correct as of the date of this document, We makes no representation as to the completeness or accuracy of such information. We shall in no event be responsible for any damages directly or indirectly from use of or reliance on this information. This information is provided solely to assist the customer with the Occupational Safety and Health Act of 1970 and The Right to Know regulations. Any other use is prohibited.

Legend: