

SECTION 1 - MANUFACTURER INFORMATION

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PREPARATION DATE: 8/25/97

PREPARER/CONTACT: Donald W. Terry, Sr.

REVISION DATE: 8/25/97

PRODUCT NAME: CITRUS APS™

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

HEALTH..... 1

FLAMMABILITY... 2

REACTIVITY.... 0

PROTECTION..... B

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

CHEMICAL/COMMON NAME CAS-NUMBER % PEL-OSHA TLV-ACGIH

This product does not contain any hazardous ingredients as specified under OSHA's 29CFR 1910.1200.

SECTION 3 - PHYSICAL & CHEMICAL DATA

BOILING POINT: 351(°F.) **SPECIFIC GRAVITY:**(H₂O=1)0.85 g/cc

VAPOR PRESSURE (mmHg): 1mm **VAPOR DENSITY(Air=1):** Approximately 4.69

SOLUBILITY IN WATER: Emulsifiable

APPEARANCE & ODOR: A light amber liquid with a citrus odor.

pH: None

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT: 122°F. **Method Used:** T.C.C. **FLAMMABLE LIMITS:** N/AV UEL=N/AV

AUTO-IGNITION TEMP: 460°F.

EXTINGUISHER MEDIA: Foam, CO₂, or dry chemicals.

SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE & EXPLOSION HAZARDS: None

SECTION 5 - PHYSICAL HAZARD DATA

STABILITY: Stable

CONDITIONS TO AVOID: Keep away from open flame, heat or sparks.

INCOMPATIBILITY: Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide if heated to decomposition.

WILL HAZARDOUS POLYMERIZATION OCCUR?: No

PRODUCT: CITRUS APS

SECTION 6 - HEALTH HAZARD DATA

ACUTE: Corrosive to eyes.

CHRONIC: Repeated skin contact may cause rash.

SIGNS & SYMPTOMS OF EXPOSURE: Skin irritation or redness.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Irritates cuts or burns on the skin.

LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN (NTP, IARC, or OSHA)?: No

EMERGENCY & FIRST AID PROCEDURES:

SKIN: Wash affected area with soap and water – apply hand cream.

EYES: Flush with water for at least 15 minutes. Get prompt medical attention.

INHALATION: Remove from area of exposure – get to fresh air.

INGESTION: Drink plenty of water or fruit juice. Get prompt medical attention.

ROUTES OF ENTRY:

1. Inhalation: May irritate mucous membranes if inhaled repeatedly.
2. Eyes: Causes eye irritation or burning – corrosive to eyes.
3. Skin: Causes skin irritation or burning.
4. Ingestion: Causes burns to mouth, throat and stomach lining.

SECTION 7 - SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in cool dry area away from acids.

OTHER PRECAUTIONS: Store product with lid on container.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dilute with large volumes of water and flush to sewer.

WASTE DISPOSAL METHODS: Dilute with water, flush small spills down sewer. Follow all applicable regulations for solvent products.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

RESPIRATORY PROTECTION: OSHA/MSHA approved respirator – use when plant ventilation is inadequate.

VENTILATION:

LOCAL EXHAUST: Adequate MECHANICAL: SPECIAL: OTHER:

PROTECTIVE GLOVES: Rubber or Neoprene.

EYE PROTECTION: Chemical safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Rubber apron may be worn to protect against splashing.

WORK/HYGIENIC PRACTICES: Always wash hands after using any chemical product.

ADDITIONAL COMMENTS:

To the best of our knowledge, the information contained herein is accurate. However, Bane-Clene Corporation assumes no liability for the accuracy or completeness of the information. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards may be described herein, we cannot guarantee that these are the only hazards which exist. Information herein is given in good faith, but no warranty, expressed or implied, is made.