MATERIAL SAFETY DATA SHEET

N/A=NOT APPLICABLE EFFECTIVE DATE 06/07

## SECTION 1 - PRODUCT IDENTIFICATION

Product Name: CITRUS PARTS CLEANER (HD553) Chemical Family: CLEANING COMPOUND
Supplier's Name: Banner Chemical Corp. Proper Shipping Name: CLEANING COMPOUND
Supplier's Address: 111 Hill St. DOT Shipping Hazard: N/A
Orange, N.J. 07050 DOT Labels Required: N/A
EMERGENCY TELEPHONE NUMBER: 973/676-2900
HMIS RATING(0-4): HEALTH: 1 FIRE: 1 REACTIVITY: 0

## SECTION 2 - HAZARDOUS INGREDIENTS

| CHEMICAL NAME | CAS NO. | % (optional) | TLV(ACGIH) |
|---|---|---|---|
| D-Limonene | 5989-27-5 | | None known |
| 2-Butoxy ethanol | 111-76-2 | | 25ppm |

## SECTION 3 - PHYSICAL DATA

BOILING POINT: >176$^{o}$F
VAPOR PRESSURE (mmHg @ 20$^{o}$C): < 3
VAPOR DENSITY (air=1): 4.7
SPECIFIC GRAVITY: 0.9-0.95

PHYSICAL DESCRIPTION: Clear/pale yellow thin liquid; mild citrus aroma.
pH: 7.5-9.0

SOLUBILITY IN WATER: 100%
EVAPORATION RATE: < 1
% VOLATILE BY VOLUME: 90

## SECTION 4 - FIRE and EXPLOSION DATA

FLASH POINT: > 120$^{o}$F
FLAMMABLE LIMITS: Not established
EXTINGUISHING MEDIA: Water foam, $CO_2$, dry chemical
SPECIAL FIREFIGHTING PROCEDURES: Use approved self-contained breathing apparatus.
UNUSUAL FIRE & EXPLOSION HAZARD: Toxic vapors may be released.

## SECTION 5 - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established; low order of toxicity.
EFFECTS OF OVEREXPOSURE: Moderately alkaline; EYE: Irritation, redness. SKIN: Redness, drying. INHALATION: Prolonged breathing may cause dizziness and/or headaches. INGESTION: Probable mucous damage.
EMERGENCY & FIRST AID PROCEDURES: EYES: Flush with copious amount of water for at least 15 min. while lifting eyelids. SKIN: Remove contaminated clothing & wash skin with soap & water. INHALATION: Remove to fresh air. INGESTION: Immediately give large amount of water. Do not induce vomiting. If vomiting occurs, give more water. Never give anything by mouth to an unconscious person. In all cases consult a physician.

## SECTION 6 - REACTIVITY DATA

STABILITY: Stable under normal conditions
INCOMPATIBILITY: Heat, spark, open flame.
HAZARDOUS DECOMPOSITION PRODUCTS: CO, $CO_2$, smoke and other unidentified organic compounds.
HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 7 - SPILL or LEAK PROCEDURES

SPILLAGE: Contain spill and absorb with Ban-dri, earth, sand or similar inert material.
WASTE DISPOSAL METHOD: In a manner consistent with federal, state and local regulations.

## SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Can use N-IOSH respirator
VENTILATION: Local exhaust sufficient.
GLOVES: Rubber or plastic coated should be used.
EYE PROTECTION: Safety glasses or shield if splashing expected.
OTHER PROTECTIVE EQUIPMENT: Clothing cover can be used.

## SECTION 9 - SPECIAL PRECAUTIONS

Do not get in eyes or on skin. Wash thoroughly after handling. Use with adequate ventilation. Store away from other chemicals and out of the reach of children. Store in a closed container away from fire and extreme heat. Keep from freezing. Use protective equipment.

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