

MATERIAL SAFETY DATA SHEET

N/A=NOT APPLICABLE

EFFECTIVE DATE 5/05

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: LIMONENE CITRUS NATURAL SOLVENT CLEANER (HD551) 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: 0 REACTIVITY: 0

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	% (optional)	TLV(ACGIH)
D-Limonene	5989-27-5	5	None known

*This toxic chemical is subject to reporting requirements of Sec. 313-SARA Title III-40CFR. Part 372.

SECTION 3 - PHYSICAL DATA

BOILING POINT: 210°F
VAPOR PRESSURE(mmHg @ 20°C): < 3
VAPOR DENSITY(air=1): 4.7
SPECIFIC GRAVITY: 0.9-0.95

SECTION 4 - FIRE and EXPLOSION DATA

FLASH POINT: > 150°F
FLAMMABLE LIMITS: Not established
EXTINGUISHING MEDIA: Use media proper to primary cause of fire
SPECIAL FIREFIGHTING PROCEDURES: Use approved self-contained breathing apparatus.

PHYSICAL DESCRIPTION: Clear/pale yellow thin liquid; mild citrus aroma.

pH: 7.5-9.0

UNUSUAL FIRE & EXPLOSION HAZARD: Toxic vapors may be released.

SOLUBILITY IN WATER: 90-95%

EVAPORATION RATE: < 1

% VOLATILE BY VOLUME: 95

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.

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.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, smoke and other unidentified organic compounds.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Can use N-IOSH respirator
GLOVES: Rubber or plastic coated should be used
OTHER PROTECTIVE EQUIPMENT: Clothing cover can be used

VENTILATION: Local exhaust sufficient

EYE PROTECTION: Safety glasses or shield if splashing expected

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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