

MATERIAL SAFETY DATA SHEET

N/A=NOT APPLICABLE

EFFECTIVE DATE 8/06

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: HEAVY DUTY LIQUID LAUNDRY DETERGENT (KT501)

Supplier's Name: Banner Chemical Corp.  
Supplier's Address: 111 Hill St.  
Orange, NJ 07050

Chemical Family: CLEANING COMPOUND  
Proper Shipping Name: CLEANING COMPOUND  
DOT Shipping Hazard: N/A  
DOT Labels Required: NONE

EMERGENCY TELEPHONE NUMBER 973/676-2900

HMS RATING (0-4): HEALTH: 1 FIRE: 0 REACTIVITY: 0

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	% (optional)	TLV(ACGIH)
---------------	---------	--------------	------------

SECTION 3 - PHYSICAL DATA

BOILING POINT: >212°F.  
VAPOR PRESSURE (mmHg @ 20°C): <1  
VAPOR DENSITY (air=1): >1  
SPECIFIC GRAVITY: 1-1.02

SECTION 4 - FIRE and EXPLOSION DATA

FLASH POINT: 247°C.  
FLAMMABLE LIMITS: Not Determined.  
EXTINGUISHING MEDIA: Media proper to primary cause of fire.  
SPECIAL FIREFIGHTING PROCEDURES: Use self-contained breathing apparatus.

PHYSICAL DESCRIPTION: Blue viscous liquid; Lemon scent.  
pH: 6-7

UNUSUAL FIRE & EXPLOSION HAZARD: Burning can produce Carbon monoxide(toxic if inhaled), carbon dioxide(asphyxiant).

SOLUBILITY IN WATER: 100%  
EVAPORATION RATE: < 0.01

SECTION 5 - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: None established.  
EFFECTS OF OVEREXPOSURE: Causes eye irritation; Possible skin burning sensation or dermatitis; Possible gastric upset, nausea, vomiting and diarrhea. Mist may cause irritation of the respiratory tract.  
EMERGENCY & FIRST AID PROCEDURES: EYES: Flush with copious amount of water for at least 15 minutes while holding eyelids open. SKIN: Wash with water for at least 15 min. and use a burn ointment if necessary. INHALATION: Remove to fresh air. INGESTION: Drink large amount of water. Never give anything by mouth to an unconscious person. In all cases immediately consult a physician.

SECTION 6 - REACTIVITY DATA

STABILITY: Stable under normal conditions.

SECTION 7 - SPILL or LEAK PROCEDURES

SPILLAGE: Contain spill and absorb with Ban-dri, earth, sand or similar inert material.

INCOMPATIBILITY: Strong acids, strong bases at high temperatures, strong oxidizing agents.

WASTE DISPOSAL METHOD: In a manner consistent with federal, state and local regulations.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.  
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 8 - SPECIAL PROTECTION INFORMATION

FLOORS MAY BE SLIPPERY WHEN WET SO TAKE ADEQUATE PRECAUTIONS FROM SLIPPING.  
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. Wash contaminated clothing before re-use.

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.

The data and recommendations presented herein are based upon research of others and are believed to be accurate. The manufacturer makes no warranties, express or implied, as to the accuracy, completeness or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of, or in connection with, the accuracy, completeness, adequacy or furnishing such information.