

Material Safety Data Sheet

Effective Date: 14-JUN-2006
Product: TRANSACTIVE

I. IDENTIFICATION

Chemical Name: SEE SECTION III, INGREDIENT STATEMENT
Chemical Family: SPRAY ADJUVANTS/SURFACTANTS
Formula: NOT APPLICABLE, FORMULATED MIXTURE.
Synonyms: NONE
CAS Number: NOT APPLICABLE, FORMULATED MIXTURE.
EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: >212 DEGREES
Freezing Point: <35 DEGREES F.
Spec Gravity: 1.110 GMS/CC
Vapor Pressure: NOT DETERMINED
Vapor Density: NOT DETERMINED
Solubility: MISCIBLE
Volatiles: NOT DETERMINED
Evaporation: <0.1 (N-BUTYL ACETATE = 1)
Melting Point: NOT APPLICABLE
Appearance: CLEAR BLUE LIQUID, AMMONIACAL ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF NONIONIC SURFACTANTS, BUFFERING AGENTS AND AMMONIUM SALT SOLUTION.		100.00	N/E	MILD SKIN AND SEVERE EYE IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: AQUEOUS SOLUTION
Autoignition Temp: NOT APPLICABLE
Flammable Limit: NOT APPLICABLE
Extinguishing Media: ALCOHOL FOAM, DRY CHEMICAL AND CARBON DIOXIDE.
Special Fire Fight Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND AVOID BREATHING FUMES. WATER SPRAY MAY BE INEFFECTIVE.
Fire and Expl Hazard: NONE CURRENTLY KNOWN.

V. HEALTH HAZARD

Carcinogen Information: NOT LISTED

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ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: ACUTE ORAL LD50 (RATS) MALE = 6390 MG/KG,
FEMALES 2870 MG/KG.
Skin Absorption: NOT DETERMINED, MAY BE HARMFUL IF ABSORBED
THROUGH SKIN.
Inhalation: NOT DETERMINED, MAY CAUSE IRRITATION TO THE
UPPER RESPIRATORY TRACT.
Skin contact: PROLONGED SKIN CONTACT MAY CAUSE MILD
IRRITATION.
Eye Contact: SEVERELY IRRITATING BUT INJURY REVERSIBLE IN
LESS THAN 21 DAYS.
Chronic Effects: NONE CURRENTLY KNOWN.
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: IF SWALLOWED, IMMEDIATELY CALL A PHYSICIAN OR
POISON CONTROL CENTER. DO NOT INDUCE VOMITING.
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF
IRRITATION DEVELOPS. CONSULT A PHYSICIAN.
Inhalation: MOVE TO FRESH AIR IF IRRITATION IS NOTED.
CONSULT A PHYSICIAN IF IRRITATION PERSISTS.
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING
EYELIDS OPEN. IF IRRITATION DEVELOPS, CONSULT A
PHYSICIAN.
Notes to Physician: THERE IS NO SPECIFIC ANTIDOTE FOR THIS
MATERIAL. TREATMENT OF OVER EXPOSURE SHOULD BE
DIRECTED AT THE CONTROL OF SYMPTOMS AND THE
CLINICAL CONDITION OF THE PATIENT.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: EXCESSIVE TEMPERATURES AND OPEN FLAMES.
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: STRONG OXIDIZING AGENTS, BASES, ACIDS,
ETC. COPPER REPRESENTS THE GREATEST
CONTAMINATION HAZARD.
Hazardous Combustion: MAY PRODUCE AMMONIA, OXIDES OF NITROGEN AND
OXIDES OF CARBON UNDER FIRE CONDITIONS.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: DIKE AND ABSORB SPILL WITH AN ABSORBENT SUCH AS

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CLAY, SAND, OR SAWDUST. TRANSFER TO SUITABLE CONTAINERS FOR PROPER DISPOSAL. FLUSH SPILL AREA WITH WATER, ABSORB AND PLACE IN SAME CONTAINERS WITH OTHER MATERIAL.
Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: IF SPRAY IS PRESENT, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION.
Ventilation: LOCAL EXHAUST SUFFICIENT
Gloves: RUBBER
Eyes: CHEMICAL WORKERS GOGGLES.
Other: EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.

IX. SPECIAL PRECAUTIONS

Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS.
Other precaution: CONTAINS 15-25% AMMONIUM NITRATE, CAS#6484-52-2

X. SHIPPING INFORMATION

Shipping name: NON-DOT REGULATED
Hazard Class: NONE
Identification No: NONE
Labels Required: NONE REQUIRED
Placarding: NONE REQUIRED
Freight Class: ADJUVANT, SPREADER OR STICKER, LIQUID, NOIBN
Chemical Name Equivalent R.Q.

NOT APPLICABLE NOT APPLICABLE

XI. GENERAL PRODUCT INFORMATION

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

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National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum

Health: 1 Fire: 0 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y Delayed (Chronic) Health: N
Sudden Release of pressure: N Fire: N
Reactive: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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