MATERIAL SAFETY DATA SHEET

Date of Prep: 2/28/92
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          PORT CHESTER, NY 10573
Phone: (914) 937-1300

SECTION I: PRODUCT

NUMBER: 7680 HMIS HAZARD CODES
NAME: COLORINE THINNER HEALTH: 2 MODERATE
CLASS: CHLORINATED HYDROCARBON FLAMMABILITY: 1 SLIGHT
       REACTIVITY: 0 MINIMAL
       PERSONAL PROTECTIVE EQUIPMENT: C

SECTION II: HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>% BY WT.</th>
<th>CAS REGISTRY NO.</th>
<th>PEL</th>
<th>TLV</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,1 TRICHLOROETHANE</td>
<td>100.00</td>
<td>71-55-6</td>
<td>450.0</td>
<td>450.0</td>
<td></td>
<td></td>
<td>PPM</td>
</tr>
</tbody>
</table>

SECTION III: PHYSICAL DATA

BOILING RANGE: 165.0 F - 190 deg. F
MELTING POINTS:
VAPOR PRESSURE: mm @ 20 deg C
SPECIFIC GRAVITY: 1.32
EVAPORATION RATE: N/A
(relative to n-butyl acetate)
% VOLATILE BY VOLUME: 100.00

APPEARANCE AND ODOR: CLEAR LIQUID/CHARACTERISTIC ODOR

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: deg F
(method used) none to boiling
EXPLOSIVE LIMITS: LEL UEL (% V in air)
7.5 12.5

FLAMMABILITY CLASSIFICATION
OSHA: NOT REGULATED
DOT: NOT REGULATED
AUTO-IGNITION TEMPERATURE:

EXTINGUISHING MEDIA
FOAM.
CARBON DIOXIDE (CO2).
DRY CHEMICAL.
WATER SPRAY.

SPECIAL FIRE FIGHTING PROCEDURES:
USE WATER FOG TO COOL CONTAINERS.
WEAR PROTECTIVE CLOTHING.
COMPLETE PERSONAL PROTECTIVE EQUIPMENT WHEN EXPOSURE TO VAPORS OR PRODUCTS TO
COMBUSTION EXIST.
AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
VAPOR IS HEAVIER THAN AIR.
MATERIAL IS IRRITATING TO BOTH EYES AND SKIN.

1 Colorine Thinner
## SECTION V: TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CARCINOGENICITY LISTING</th>
<th>LD50 (mg/kg) (rat)</th>
<th>LC50(PPM) (rat)</th>
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</thead>
<tbody>
<tr>
<td>1,1,1 TRICHLOROETHANE</td>
<td>OSHA NTP IARC</td>
<td>ORAL DERMAL INHAL</td>
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</tr>
</tbody>
</table>

### SECTION VI: HEALTH HAZARD DATA

**EFFECTS OF OVEREXPOSURE:**
- VAPORS MAY IRRITATE EYES, SKIN AND RESPIRATORY TRACT.
- EXPOSURE/INGESTION MAY CAUSE HEADACHE, DIZZINESS AND NAUSEA.
- CONTACT MAY CAUSE SKIN IRRITATION OR ALLERGIC SKIN REACTION.

**EMERGENCY & FIRST AID PROCEDURES:**
- INHALATION: MOVE TO FRESH AIR.
- EYE CONTACT: FLUSH WITH WATER (LIFT LIDS) FOR FIFTEEN MINUTES.
- SKIN CONTACT: WASH AFFECTED AREAS WITH SOAP AND WATER.
- REMOVE CONTAMINATED CLOTHING.
- INGESTION: **DO NOT INDUCE VOMITING**, AND CALL PHYSICIAN.
  - ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. GET MEDICAL ATTENTION!
  - AVOID CONTACT WITH SKIN OR EYES.

### SECTION VII: REACTIVITY DATA

- **STABILITY:** Y
- **POLYMERIZATION:** N
- **STABILITY CONDITIONS TO AVOID:** NOT APPLICABLE.
- **INCOMPATIBILITY (MATL TO AVOID):** PEROXIDES AND/OR STRONG OXIDIZING AGENTS.
  - ALUMINUM.
  - POTASSIUM.
  - SODIUM.
  - MAGNESIUM.
  - STRONG BASES.
  - STRONG ALKALIES.
  - STRONG MINERAL ACIDS.
- **HAZARDOUS DECOMPOSITION PRODUCTS:** FUMES AND SMOKE.
  - OXIDES OF CARBON MONOXIDE AND/OR CARBON DIOXIDE.
- **POLYMERIZATION CONDITIONS TO AVOID:** NONE.

### SECTION VIII: SPILL OR LEAK PROCEDURES

**MATERIAL SPILLAGE:**
- ABSORB WITH SAND AND DISPOSE OF IN APPROVED MANNER.
- DIKE AREA WITH SAND TO CONTAIN SPILLED LIQUID.
- WEAR PROTECTIVE CLOTHING DURING CLEAN-UP.
- RECOVER FREE PRODUCT.
- VENTILATE CONFINED SPACES, OPEN WINDOWS AND DOORS.
- SHUT OFF AND ELIMINATE ALL IGNITION SOURCES.
- PREVENT MATERIAL FROM ENTERING WATERWAYS.
- USE WATER SPARINGLY TO REDUCE DISPOSAL REQUIREMENTS.

**WASTE DISPOSAL:**
- DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.
- KEEP PRODUCT OUT OF SEWERS AND WATERWAYS.
- EMPTY CONTAINERS CONTAIN RESIDUE, FOLLOW SAFETY INSTRUCTIONS AFTER CONTAINERS ARE EMPTY.

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SECTION IX: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
- MAINTAIN GOOD VENTILATION.
- IF AIRBORNE CONCENTRATIONS EXCEED PEL (SEE II) USE A SUPPLIED AIR RESPIRATOR.
- DO NOT USE A CHEMICAL CARTRIDGE RESPIRATOR.

VENTILATION:
- PROVIDE ADEQUATE CROSS AIR CIRCULATION.
- TO AVOID BREATHING VAPORS OR SPRAY MIST, OPEN WINDOWS AND DOORS
- ENSURE FRESH AIR ENTRY DURING APPLICATION AND DRYING.

PROTECTIVE CLOTHES:
- CHEMICAL RESISTANT RUBBER OR PLASTIC PREFERRED.

EYE PROTECTION:
- SPLASHPROOF SAFETY GOGGLES TO PREVENT AGAINST SPLASH.

OTHER PROTECTIVE EQUIPMENT:
- EYEWASH STATION (FOUNTAIN).
- USE CHEMICAL RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING.
- A SOURCE OF CLEAN WATER AVAILABLE TO FLUSH EYES AND SKIN.

HYGIENIC PRACTICES:
- WASH HANDS BEFORE EATING OR USING THE WASHROOM.

SECTION X: SPECIAL PRECAUTIONS

REGULATORY DATA: UN/NA NUMBER: [UN2831]
- D.O.T. EPA RCRA
- CLASS: [ ] CLASS: [ ]
- NO.: [ ] NO INV. [ ]

HAZARD CLASS: [ORM-A ]
- SHIPPING NAME: [1,1,1, TRICHLOOROETHANE]
- CERCLA REPORTABLE QNTY. [ ]

HANDLING AND STORAGE PRECAUTIONS:
- NORMAL STORAGE PROCEDURES.

OTHER PRECAUTIONS:
- CHECK ALL CONTAINERS FOR LEAKS.
- AVOID REPEATED OR PROLONGED BREATHING OR CONTACT WITH SKIN.
- KEEP CONTAINERS CLOSED WHEN NOT IN USE.
- DO NOT HANDLE OR STORE NEAR HEAT, SPARKS OR FLAME.
- MINIMIZE BREATHING VAPOR OR MIST.
- DO NOT TAKE INTERNALLY.
- KEEP OUT OF REACH OF CHILDREN.
SECTION XI: SARA TITLE 313

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>CAS #</th>
<th>WEIGHT%</th>
<th>FIRE RELEASE</th>
<th>REACT</th>
<th>ACUTE</th>
<th>CHRON</th>
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SARA SECTION 313 TOXIC CHEMICALS

THIS PRODUCT CONTAINS THE ABOVE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372. IF THERE ARE NONE THE SECTION WILL BE EMPTY.

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

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HAZARDOUS WARNING

NO SPECIAL HAZARDS EXIST WITH THIS PRODUCT. AS WITH ANY CHEMICAL SUBSTANCE CAUTION AND CARE WILL PREVENT UNNECESSARY ACCIDENTS AND SAFETY PROBLEMS. READ INSTRUCTIONS ON LABEL BEFORE USE.