



MSDS Date: July 10, 2002
Emergency Contact: 1-800-424-9300

SECTION I

PRODUCT NAME: T-San
CHEMICAL NAME: Mixture
CHEMICAL FAMILY: Mixture
EPA REGISTRATION: 9768-12

DOT SHIPPING INFORMATION: Not DOT Regulated

SECTION II - HAZARDOUS INGREDIENTS

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

HAZARDOUS MATERIAL	CAS NUMBER	w/w %	EXPOSURE LIMITS IN AIR
n-alkyl dimethyl benzyl ammonium chloride	8001-54-5	5%	None known
n-alkyl dimethyl ethyl benzyl ammonium chloride mixture	27479-28-3	5%	None known

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

SECTION III - PHYSICAL DATA

BOILING POINT (°F): about 212 **SPECIFIC GRAVITY:** 0.989
VAPOR PRESSURE (mm Hg): Essentially water **% VOLATILE, BY WEIGHT:** about 90%
VAPOR DENSITY (air = 1): Essentially water **EVAPORATION RATE (water = 1):** 1
SOLUBILITY IN WATER: Complete
APPEARANCE AND ODOR: Clear colorless solution with a clean odor.

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: Nonflammable
FLAMMABLE LIMITS:
Lel: N/A Uel: N/A
EXTINGUISHING MEDIA:
Use any.
SPECIAL FIRE-FIGHTING PROCEDURES:
None.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
None.



SECTION V - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION:
Will not occur.

CONDITIONS OR MATERIALS TO AVOID:
None.

SECTION VI - HEALTH HAZARD DATA

NFPA HAZARDOUS RATING: Health = 1 Flammability = 0 Reactivity = 0

CARCINOGENIC LISTING:
NTP: No ingredients listed in this section.

IARC MONOGRAPHS: No ingredients listed in this section.

OSHA 29 CFR 1910: No ingredients listed in this section

ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:

Contact: Can cause irritation or burns to skin or eyes.

Ingestion: Can cause burns to gastrointestinal tract. Can cause shock, respiratory depression, convulsions and death.

SECTION VI - HEALTH HAZARD DATA (Cont'd)

STATEMENT OF PRACTICAL TREATMENT:

Contact: Flush exposed area thoroughly with water. For eyes, flush with cool water for at least 15 minutes and get prompt medical attention.

Ingestion: If conscious, promptly drink large amounts of milk, egg whites, gelatin solution, or, if these are not available, drink water. Avoid alcohol. *Do not* induce vomiting. Call a physician immediately.

SECTION VII - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Store in such a manner that the product will not contaminate water, food or feed.

OTHER PRECAUTIONS:

This product is toxic to fish. Do not discharge into lakes, streams, ponds or public water.

STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:

Wear appropriate protective equipment. Dike the material and recover into drums. Absorb remaining material with sawdust or similar absorbent material and sweep up into drums.

WASTE DISPOSAL METHOD:

Material is an EPA-registered pesticide. Consult EPA for appropriate disposal method. Comply with all local, state and federal regulations.



SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

None normally required.

VENTILATION:

Normal ventilation is adequate.

EYE PROTECTION:

Goggles or face shield. .

SKIN PROTECTION:

Rubber gloves.

OTHER PROTECTIVE EQUIPMENT:

As needed to prevent contact with eyes and skin.

ACGIH = American Conference of Governmental Industrial Hygienists

CL = Ceiling Level

IARC = International Agency for Research on Cancer: Monographs

OSHA = Occupational Safety and Health Administration

N/A = Not Applicable

NTP = National Toxicology Program: Annual Report on Carcinogens

PEL = Permissible Exposure Level (OSHA)

TLV = Threshold Limit Value (ACGIH)

TWA = Time Weighted Average over 8 Hours

STEL = Short Term Exposure Limit (ACGIH)

ND = Not Determined

This information is, to the best of our knowledge, accurate but may not be complete. THATCHER COMPANY furnishes this information in good faith, but without warranty, representation or guarantee of its accuracy, completeness, or reliability.