

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Listo-Shield **Date Prepared** June 3, 2011
Product Number(s): Part # 230-24 **Replaces** March 31, 2010
Product Use: Condensate Drain Pan Treatment
Company Name: Away Chemical Corporation **Telephone Numbers: Emergencies:**
7800 Bissonnet, Suite 310 **Medical** 800 228-5635
Houston, TX 77074 **Chemtrac** 800 424-9300
Product Class: Quaternary Ammonium Salt **Chemtrac Int'l** 703 527-3887

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200):

This product is not hazardous as defined by OSHA.

	CAS Registry No.	
Chemical Name: n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chloride	68391-01-540%
Inert60%

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: May be irritating to sensitive skin. Maybe harmful if swallowed

POTENTIAL HEALTH EFFECTS

EYE CONTACT: May be irritating to eyes.

SKIN CONTACT: May be irritating to sensitive skin.

INHALATION: Not an inhalation hazard. (solid gel form)

INGESTION: May be harmful or fatal if swallowed. Ingestion may result in moderately severe burns to mouth and esophagus with more severe burns and damage to stomach.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

CARCINOGENICITY: NTP? No **IARC Monographs?** No **OSHA Regulated?** No

SECTION 4 FIRST-AID MEASURES

EYE CONTACT: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

SKIN CONTACT: Wash with soap and plenty of water. If irritation develops and persists, get medical attention.

INHALATION: If breathing is difficult: Remove to fresh air. Get medical attention.

INGESTION: Do not induce vomiting! Immediately drink large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

FLASHPOINT: Not determined

FLAMMABLE LIMITS: **LEL:** Not determined **UEL:** Not determined

AUTOIGNITION TEMP: Not applicable

FIRE EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water fog.

SPECIAL INFORMATION: None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewer treatment authority. For guidance, contact your State Water Board or Regional Office of the EPA. Semisolid gel product. Pick up or sweep up and place in original or suitable container. Use as normal.

SECTION 7 STORAGE AND HANDLING

HANDLING PROCEDURES: Avoid skin and eye contact. Wash thoroughly after handling. As With all chemical, good industrial hygiene practices should be followed when handling material.

STORAGE PROCEDURES: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.
Keep the container tightly closed and in a cool, well-ventilated place.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTION EQUIPMENT:

EYES/FACE: Wear chemical goggles; face shield (if splashing is possible)

SKIN: Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves, Use Impervious gloves.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

FLASH POINT: Not determined
SPECIFIC GRAVITY: 0.981 g/ml
VAPOR PRESSURE: Not determined
VAPOR DENSITY: Not determined
ph VALUE: 7.4 ± .3 @ 10% Aqueous Solution
SOLUBILITY IN WATER: Complete
BOILING POINT: Not applicable
EVAPORATION RATE (Butyl Acetate = 1): Not determined
APPEARANCE AND ODOR: Amorphous Crystalline Solid

SECTION 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: Keep away from heat and incompatible materials.
INCOMPATIBILITY: This product may react with strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

SECTION 11 TOXICOLOGICAL INFORMATION

CARCINOGENICITY: Not listed as carcinogenic according to IARC, NTP OR OSHA
MUTAGENICALLY: Testing has shown this product to be non-mutagenic
LD50 VALUE:
 Oral LD50 (rat) => 50 – 500 mg/kg
 Dermal LD50 (rabbit) => 2,000 < or equal to 20,000 mg/kg

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY: Very toxic to aquatic organisms
ENVIRONMENTAL FATE: This product is biodegradable

SECTION 13 DISPOSAL CONSIDERATIONS**DISPOSAL INSTRUCTIONS**

CONTAINER DISPOSAL: Dispose of in a sanitary landfill, or incinerator, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal Law. If these wastes cannot be disposed of by use according to the label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

SECTION 14 TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

SECTION 15 REGULATORY INFORMATION

Ingredient Name	CAS Registry No.	%
Chemical Name: : n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ , 5% C ₁₈) dimethyl benzyl ammonium chloride	68391-01-5	40 %
Inert:		66%

SECTION 16 OTHER INFORMATION

NFPA RATING: Health – 1, Flammability – 0, Reactivity – 0

HMIS® RATING: Health – 1, Flammability – 0, Reactivity – 0

HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

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Completed by: Away Chemical Corp.

Completed on: June 3, 2011