

MATERIAL SAFETY DATA SHEET

SANITEK PRODUCTS, INC.
3959 Goodwin Avenue
Los Angeles, CA 90039

REVISION DATE: 01-Oct-09
REVIEW DATE: 06-Jan-14

EMERGENCY PHONE NUMBERS: SANITEK (323) 245-6781

CHEMTEL, INC. (800) 255-3924

LEGEND: NE = Not established N/A = Not applicable

SECTION I

PRODUCT IDENTIFICATION

PRODUCT NAME: **NUSAN** PRODUCT CODE:
CHEMICAL NAME: Mixture
NFPA HAZARD RATING: HEALTH: 3 FIRE: 1 REACTIVITY: 2 SPECIAL: NONE
HAZARD SCALE: MINIMAL 0 SLIGHT 1 MODERATE 2 SERIOUS 3 SEVERE 4

SECTION II

INGREDIENTS

COMPONENT	CAS NUMBER	NIOSH
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	Oral LD50 Rat: 426 mg/kg; Oral LD50 Mouse: 919 mg/kg
Di-(C8-10)-alkyl dimethyl ammonium chlorides	68424-95-3	
Dioctyl dimethyl ammonium chloride	5538-94-3	
Didecyl dimethyl ammonium chloride	7173-51-5	Oral LD50 Rat: 84 mg/kg; Oral LD50 Mouse: 268 mg/kg

SECTION III

PHYSICAL DATA

BOILING POINT: 200 °F pH @ 20 deg F: ~ 6.5
VAPOR PRESSURE: NE EVAP. RATE: < Ethyl Ether
SPECIFIC GRAVITY: 1.01 VAPOR DENSITY: > Air
DESCRIPTION: Clear red liquid with lemon odor

SECTION IV

FIRE AND EXPLOSION HAZARDS

FLASH POINT: (>93.9 °C) / > 201 °F METHOD USED: PMCC
EXTINGUISHING MEDIA: Water fog, dry chemical, foam, or CO₂
SPECIAL FIREFIGHTING PROCEDURES: Wear NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode and full fire-fighting turn-out gear. Use water spray to cool down nearby containers and structures exposed to fire.

SECTION V

HEALTH AND HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Body contact and ingestion
OSHA, NTP, & IARC CARCINOGEN STATUS: Not listed
CALIF. PROP. 65: This product may contain the following ingredients known to the State of California to cause cancer, birth defects or other reproductive harm: Ethylene Oxide (cas 75-21-8) and Nitrotriacetic Acid (cas 139-13-9).
EFFECTS OF OVEREXPOSURE:
INHALATION: Excessive inhalation causes headache, dizziness, nausea, incoordination. High vapor or aerosol mist may be irritating to the nose.
EYE CONTACT: Product may be corrosive to eyes.
SKIN CONTACT: Product may cause irritation to the skin. May be harmful if it is absorbed through the skin.
SWALLOWED: This product may be harmful if it is swallowed. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

MATERIAL SAFETY DATA SHEET

FIRST AID MEASURES:

INHALATION: Remove person to fresh air. Give artificial respiration if not breathing. Give oxygen if breathing is difficult. Seek medical attention.
EYE CONTACT: **Immediately** flush eyes with lots of running water for 15 minutes, while holding eyelids open. Get medical attention or advice.
medical attention.
SKIN CONTACT: **Immediately** remove all contaminated clothing. Wash clothing before reuse. **Immediately** flush with water. Get medical attention.
SWALLOWED: **Do Not** induce vomiting. Get **Immediate** medical attention. If vomiting occurs spontaneously, keep victim's head below hips to prevent breathing vomitus into lungs which can be harmful or fatal.

NOTES TO PHYSICIAN: If product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat victim appropriately.

SECTION VI REACTIVITY DATA

STABILITY: Stable under normal conditions. **HAZARDOUS POLYMERIZATION:** Will not occur
CONDITIONS TO AVOID: Avoid strong oxidizing agents.
INCOMPATIBILITY: Strong oxidizers, acids and anionic compounds.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen, and ammonia

SECTION VII SPILL, LEAK, AND WASTE PROCEDURES

SPILL RESPONSE: *Emergency action:* Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Wear appropriate personal protective equipment during cleanup. *Small Spills:* Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Use clean non-sparking tools to collect absorbed material. *Large Spills:* Dike ahead of liquid for later disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a 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 sewage plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not touch or walk through spilled material. Surfaces may become slippery after spillage.

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

DISPOSAL OF EMPTY CONTAINERS: Do not reuse empty container. Triple rinse empty container with water. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned, stay out of smoke. Offer for recycling if available. *For containers one-gallon or less:* Do not reuse empty container (bottle, can, bucket). Wrap container and put in trash.

SECTION VIII SPECIAL PROTECTION DATA

VENTILATION: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
RESPIRATORY: If exposure limits are exceeded or if irritation is experienced, NIOSH-approved respiratory protection should be worn.
EYES: Wear chemical goggles and face shield.
GLOVES: Rubber gloves.
OTHER: Rubber boots and suitable protective clothing should be worn if body contact could occur (i.e mopping, spills, etc.).

SECTION IX SPECIAL PRECAUTIONS

HANDLING AND STORAGE: **DO NOT TRANSFER MATERIAL TO UNLABELLED INTERMEDIATE CONTAINERS.** Store away from heat and flames. Keep container closed. Avoid contact with Skin and Eyes. Eyewash fountains are recommended. Wash hands before eating, drinking, smoking, or using toilet facilities. Good industrial hygiene practices should be followed when handling this material.

SECTION X SHIPPING AND LABELLING DATA

DOT HAZARD CLASSIFICATION: Corrosive Liquid
PROPER DOT SHIPPING NAME: Disinfectant, liquid, corrosive, n.o.s., 8, UN1903, PGIII
(quaternary ammonium chlorides)