ELKINS-SINN INC -- SOTRADECOL -- 6505-01-153-3773

==========  Product Identification  ==========

Product ID:SOTRADECOL
MSDS Date:09/25/1992
FSC:6505
NIIN:01-153-3773
MSDS Number: BWNPN

=== Responsible Party ===
Company Name:ELKINS-SINN INC
Address:2 ESTERBROOK LN
City:CHERRY HILL
State:NJ
ZIP:08003
Country:US
Info Phone Num:609-424-3700 / FAX 609-424-8747
Emergency Phone Num:609-424-3700 OR 215-688-4400
CAGE:51968

=== Contractor Identification ===
Company Name:ELKINS-SINN INC
Address:2 ESTERBROOK LANE
Box:City:CHERRY HILL
State:NJ
ZIP:08003-4099
Country:US
Phone:800-257-8349/609-424-3700
CAGE:51968

========== Composition/Information on Ingredients ==========

Ingred Name:4-UNDECANOL,7-ETHYL-2-METHYL-,HYDROGEN SULFATE, SODIUM SALT OR TERTITOL OR SOTRADECOL OR SODIUM TETRADECYL SULFATE
CAS:139-88-8
RTECS #:YQ2800000
Fraction by Wt: 1-3%
Other REC Limits:NONE RECOMMENDED

Ingred Name:BENZYL ALCOHOL
CAS:100-51-6
RTECS #:DN3150000
Fraction by Wt: >1%
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: >1%
Other REC Limits:NONE RECOMMENDED

========== Hazards Identification ==========

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 1250 MG/KG
Routes of Entry: Inhalation:YES  Skin:YES  Ingestion:YES
Reports of Carcinogenicity:NTP:NO  IARC:NO  OSHA:NO
Health Hazards Acute and Chronic:

**ACUTE:** EXPOSURE MAY CAUSE EYE, SKIN, GI & RESPIRATORY TRACT IRRITATION. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE CONJUNCTIVITIS AND/OR DERMATITIS.

Explanation of Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure: EYES-IRRITATION. SKIN-IRRITATION. INHALED-IRRITATION. INGESTED-IRRITATION.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid Measures

First Aid: INHALED-REMOVE TO FRESH AIR. RESTORE BREATHING IF NEEDED. SEEK MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH SOAP & WATER. SEEK MEDICAL ATTENTION. INGESTED-IF CONSCIOUS, GIVE SEVERAL GLASSES OF WATER OR MILK & INDUCE VOMITING. KEEP HEAD BELOW HIPS. SEEK MEDICAL ATTENTION.

Fire Fighting Measures

Flash Point: >213°F, >101°C

Extinguishing Media: WATER SPRAY, REGULAR FOAM, DRY CHEMICAL; USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: WEAR FULL PROTECTIVE GEAR & SELF-CONTAINED BREATHING APPARATUS. MOVE CONTAINER FROM FIRE AREA IF CAN BE DONE WITH NO RISK.

Unusual Fire/Explosion Hazard: CONTAINERS MAY EXPLODE IN HEAT OF FIRE. SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT & FLAME. AVOID BREATHING VAPORS & DUSTS. KEEP UPWIND.

Accidental Release Measures

Spill Release Procedures: OCCUPATIONAL SPILL-ELIMINATE ALL SOURCES OF IGNITION. USE WATER SPRAY TO REDUCE VAPORS. ABSORB WITH INERT MATERIAL & PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling and Storage

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY INCOMPATIBLE MATERIALS.

Other Precautions: MAY BURN BUT DOES NOT READILY IGNITE. CONTAINERS MAY EXPLODE IN HEAT OF FIRE.

Exposure Controls/Personal Protection

Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation: USE ADEQUATE DILUTION VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: NOT REQUIRED BUT ARE RECOMMENDED.

Eye Protection: SAFETY GLASSES W/SIDE SHIELDS.

Other Protective Equipment: NONE NORMALLY REQUIRED.

Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

========================  Physical/Chemical Properties  =========================

HCC:T6
pH:7.9
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR, COLORLESS AQUEOUS SOLUTION.

========================  Stability and Reactivity Data  =========================

Stability Indicator/Materials to Avoid:YES ACIDS, BASES, STRONG OXIDIZERS.
Stability Condition to Avoid:DLA-HMIS: AVOID EXPOSURE TO ACIDS, BASES, & OXIDIZERS; SOURCES OF IGNITION.
Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE TOXIC AND/OR HAZARDOUS GASES.
Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES & PRESSURES.

========================  Disposal Considerations  =========================

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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