

Product ID: AIR FLOW INDICATOR TUBES MSDS Date:03/01/1998 FSC:6680 NIIN:01-192-6553 Status Code:A MSDS Number: CJFPB === Responsible Party === **Company Name:SENSIDYNE INC** Address:16333 BAY VISTA DR City:CLEARWATER State:FL ZIP:34620 Country:US Info Phone Num:800-451-9444/813-530-3602 **Emergency Phone Num** :800-451-9444 Resp. Party Other MSDS Num.:0501 CAGE:63882 === Contractor Identification === **Company Name:SENSIDYNE INC** Address:16333 BAY VISTA DR Box:City:CLEARWATER State:FL ZIP:34620 Country:US Phone:800-451-9444/813-530-3602 Contract Num:DLA120-86-M-ES06 CAGE:63882 **Company Name:SENSIDYNE INC** Address:16333 BAY VISTA DR Box:City:CLEARWATER State:FL ZIP:34620 Country:US Phone:800-451-9444/813-530-3602 Contract Num:SP0200-98-M-6801 CAGE:63882 **Company Name:SENSIDYNE INC** Address:16333 BAY VISTA DR

Box:City:CLEARWATER State:FL ZIP:34620 Country:US Phone:800-451-9444/813-530-3602 Contract Num:SP0200-98-M-A435 CAGE:63882 Company Name:SENSIDYNE INC Address:16333 BAY VISTA DR Box:City:CLEARWATER State:FL ZIP:34620 Country:US Phone:800-451-9444/813-530-3602 Contract Num:SP0200-98-M-B553 CAGE:63882

Ingred Name:STANNIC CHLORIDE CAS:7646-78-8 RTECS #:XB8750000 = Wt:100.

LD50 LC50 Mixture:NONE SPECIFIED BY MANFACTURER Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Health Hazards Acute and Chronic:THE HYDROGEN CHLORIDE (HCL) FORMED ON ACTIVATION IS CORROSIVE TO ALL HUMAN TISSUE. PROLONGED INHALATION OF GAS CONCENTRATIONS MODERATELY ABOVE THE TLV CAN DAMAGE THE TEETH & NASAL PASSAGES. INHALATION OF HIGHER CONCENTRATIONS FOR A SHORT PERIOD OF TIME CAN CAUSE CHOKING & COUGHING, AND PRODUCE SEVERE IRRITATION & DAMAGE TO THE MUCOUS MEMBRANES OF UPPER RESPIRATORY TRACT. THE NIOSH-RECOMMENDED IDLH LEVEL IS 100 PPM. HCL CAN CAUSE SEVERE IRRITATION & TISSUE BURNS. IF DEEPLY INHALED, PULMONARY EDEMA MAY OCCUR. THE EMITTED TIN COMPOUND IS ALSO AN IRRITANT TO EYES, SKIN & MUCOUS MEMBRANES.

Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.

Effects of Overexposure:INHALED-CHOKING, COUGHING, IRRITATION. SKIN/EYE IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid:EYES-IMMEDIATELY FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES, INCLUDING UNDER EYELIDS. CANTACT A PHYSICIAN! SKIN-FLUSH AFFECTED AREAS WITH RUNNING WATER. GET MEDICAL HELP IN CASE OF LARGE AREA OF CONTACT OR IF IRRITATION PERSISTS. INHALED-REMOVE VICTIM TO FRESH AIR. RESTORE AND/OR SUPPORT BREATHING, AS NEEDED. PROVIDE OXYGEN THERAPY FOR PERSISTENT COUGH OR IF BREATHING DIFFICULT. KEEP VI

CTIM WARM & AT REST. GET MEDICAL HELP.

Flash Point:NONE Autoignition Temp:Autoignition Temp Text:NONE Lower Limits:NONE Upper Limits:NONE Extinguishing Media:SUITABLE FOR SURROUNDING FIRE. Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SCBA UNITS TO PROTECT AGAINST POSSIBLE TOXIC DECOMPOSITION PRODUCTS. Unusual Fire/Explosion Hazard:FIRE ENCOMPASSING THE TUBES WILL EMIT TOXIC FUMES OF CHLORIDES.

Spill Release Procedures: DOES NOT APPLY. Neutralizing Agent: SODIUM CARBONATE OR EQUIVALENT ALKALINE SUBSTANCE.

Handling and Storage Precautions:STORE IN THE ORIGINAL CONTAINER IN A COOL DRY PLACE. PROTECT AGAINST LIGHT, HEAT & PHYSICAL DAMAGE.
Other Precautions:AVOID EYE & SKIN CONTACT WITH SMOKE. DO NOT BREATH SMOKE. USE ONLY AS DIRECTED. USE ONLY IN WELL VENTILATED AREAS.

WASH HANDS PRIOR TO EATING, DRINKING, SMOKING OR APPLYING COSMETICS. AVOID CUTS FROM BROKEN ENDS OF GLASS.

======= Exposure Controls/Personal Protection ==========

Respiratory Protection:NO RESIPIRATORY PROTECTION IS REQUIRED DURNIG NORMAL USE AS AN HBAC AIR FLOW INDICATOR.
Ventilation:LOCAL VENITATION IS ADEQUATE.
Protective Gloves:NOT NECESSARY FOR NORMAL USE
Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS SHOULD BE WORN TO MINIMIZE EYE CONTACT.
Other Prote ctive Equipment:NONE SPECIFIED BY MANUFACTURER. Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER. Supplemental Safety and Health SAFETY GLOVES ARE NOT NECESSARY FOR NORMAL USE, ALTHOUGH SKIN CONTACT WITH HCI AND THE BROKEN GLASS TUBES SHOULD BE AVOIDED. HCC:N1 Boiling Pt:=-85.C, -121.F Vapor Pres:41.6@20C Solubility in Water:37% BY WEIGHT @ RT Appearance and Odor: HYDROGEN CHLORIDE IS A COLORLESS GAS WITH PUNGENT ODOR Stability Indicator/Materials to Avoid:YES INCOMPATIBLE MATERIALS INCLUDE ALKALINES, METAL OXIDES, METALS. Stability Condition to Avoid: HCL IS A STABLE COMPOUND. IT DOES NOT UNDERGO HAZARDOUS POLYMERIZATION, HOWEVER, HCL CAN CATALYZE SOME POLYMERIZATIONS OF OTHER COMPOUNDS. Hazardous Decomposition Products: WHEN HEATED TO DECOMPOISTION, THE SMOKE TUBES WILL EMIT CHLORIDE FUME. Conditions to Avoid Polymerizatio n:HCL CAN CATALYZE SOME POLYMERIZATIONS OF OTHER COMPOUNDS. Toxicological Information: NONE SPECIFIED BY MANUFACTURER. Ecological:NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:SOAK USED TUBES IN WATER AND NEUTRALIZE WATER WITH SODIUM CARBONATE OR EQUIVALENT ALKALINE SUBSTAN

CE. DISPOSE OF TUBES VIA LANDFILL. CONSULT LOCAL AUTHORITIES TO ASURE COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS FOR SMALL SCALE DISPOSAL OF TIN COMPOUNDS.

Transport Information:NONE SPECIFIED BY MANUFACTURER.

SARA Title III Information:NONE SPECIFIED BY MANUFACTURER. Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER. Sta

te Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

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