

SANTEEN PRODUCTS CO INC -- S-T DRAIN OPENER -- 6850-01-080-9443

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

Product ID:S-T DRAIN OPENER

MSDS Date:05/25/1989

FSC:6850

NIIN:01-080-9443

MSDS Number: BKKGX

=== Responsible Party ===

Company Name:SANTEEN PRODUCTS CO INC

Address:1321 SOUTH 7TH STREET

City:HOPKINS

State:MN

ZIP:55343

Country:US

Info Phone Num:612-935-4500

Emergency Phone Num:612-935-4500

CAGE:0PZ33

=== Contractor Identification ===

Company Name:BRIGGS INC

Address:113 S 10TH ST

Box:3604

City:OMAHA

State:NE

ZIP:68103-0604

Country:US

Phone:402-344-0963/800-424-9300(CHEMTREC)

CAGE:6J861

Company Name:SANTEEN PRODUCTS CO INC

Address:1321 SOUTH 7TH STREET

Box:City:HOPKINS

State:MN

ZIP:55343

Country:US

Phone:612-935-4500

CAGE:0PZ33

Company Name:WISCONSIN SUPPLY CORP.

Address:6800 GISHOLT DR.

Box:8124

City:MADISON

State:WI

ZIP:53708-8124

Country:US

Phone:608-222-7799

CAGE:0APY9

===== Com

position/Information on Ingredients =====

Ingred Name:SULFURIC ACID (SARA III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 86%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2140 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:INHALATION OF VAPORS CAUSES SEVERE  
IRRITATION OR BURNS OF THE RESPIRATORY SYSTEM, PULMONARY EDEMA, OR  
LUNG INFLAMMATION. EYE CONTACT CAUSES SEVERE DAMAGE AND POSSIBLE  
BLINDNESS. SKIN CONTACT CAUSES BURNS AND POSSIBLE DEEP ULCERATION.  
INGESTION CAUSES SEVERE BURNS TO MOUTH, THROAT, AND STOMACH.  
Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED BY IARC,  
NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:SEVERE IRRITATION OR BURNS TO EYES, NOSE AND  
D  
THROAT. PULMONARY EDEMA, BRONCHIAL EMPHYSEMA, CONJUNCTIVITIS,  
STOMATITIS, DENTAL EROSION, NAUSEA AND VOMITING.  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY  
BE AT INCREASED RISK FROM EXPOSURE.

===== First Aid Measures =====

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH  
PLENTY OF WATER  
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET PROMPT MEDICAL ATTENTION.  
SKIN :REMOVE CONTAMINATED CLOTHING. WASH WITH PLENTY OF WATER FOR  
15 MINUTES. GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING.  
GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL  
ATTENTION.

===== Fire Fighting Measures =====

Flash Point:NONE  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:USE CARBON DIOXIDE OR DRY CHEMICAL.  
Fire

e Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:ACID IS ITSELF NONFLAMMABLE. BUT MAY CAUSE IGNITION OF COMBUSTIBLE MATERIALS. HIGHLY FLAMMABLE HYROGEN GAS IS GENERATED BY ACTION OF GAS ON METALS.

===== Accidental Release Measures =====

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION.  
WEAR FULL PROTECTIVE EQUIPMENT. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DIKE TO RETAIN RUNOFF. PUMP LIQUID TO SALVAGE TANK. NEUTRALIZE SMALL AMOUNTS WITH SODA ASH O R LIME. MAKE SLURRY AND SHOVEL INTO DISPOSAL DRUM.  
Neutralizing Agent:SODIUM BICARBONATE OR A SODA ASH/SLAKED LIME MIXTURE (50-50)

===== Handling and Storage =====

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP CONTAINERS AWAY FROM HEAT. ISOLATE FROM INCOMPATIBLE MATERIALS. ADD ACID TO WATER SLOWLY TO PREVENT SPLATTERING.  
Other Precautions:ADDITION TO WATER RELEASES HEAT WHICH CAN RESULT IN VIOLENT BOILING AND SPATTERING. ALWAYS ANDD SLOWLY AND IN SMALL AMOUNTS. NEVER USE HOT WATER. NEVER ADD WATER TO ACIDS. ALWAYS ADD ACIDS TO WATER. E MPTY CONTAINERS MAY BE HAZARDOUS.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. I F AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.  
Ventilation:USE SUFFICIENT MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV REQUIREMENTS.  
Protective Gloves:POLYVINYL CHLORIDE GLOVES  
Eye Protection:CHEMICAL SPLASH GOGGLES AND FACE SHIELD  
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE IMPERVIOUS WORK CLOTHING, BOOTS AND APRON AS REQUIRED.  
Work Hygienic Practices:OBSERVE GOOD PER

SONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.  
Supplemental Safety and Health  
AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO  
NOT BREATHE VAPORS OR MISTS.

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

HCC:C1  
Boiling Pt:B.P. Text:440F,227C  
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN  
Vapor Pres:NOT GIVEN  
Vapor Density:NOT GIVEN  
Spec Gravity:1.775  
Evaporation Rate & Reference:NOT SPECIFIED  
Solubi  
lity in Water:COMPLETE  
Appearance and Odor:DARK AMBER LIQUID WITH VERY SLIGHT ACID ODOR

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

Stability Indicator/Materials to Avoid:YES  
ALKALI OXIDIZING AGENTS  
Stability Condition to Avoid:CONTACT WITH CAUSTIC OR WATER  
Hazardous Decomposition Products:OXIDES OF SULFUR AND HYDROGEN

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL  
APPLICABL  
E FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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