

DENTAL  
3.13

MSDS NAME: CRONEX X-RAY SCREEN CLEANER WITH ANTISTATIC  
NIIN: 00N084152  
MSDS Number: CGSHX  
=== Responsible Party ===  
Company: EI DUPONT DE NEMOURS & CO INC  
Address: 1007 MARKETS ST  
City: WILMINGTON  
State: DE  
ZIP: 19899  
Country: US  
Info Phone Num: 800-252-9099  
Emergency Phone Num: 800-441-3637; 800-424-9300 (CHEMTREC)  
CAGE: EO716  
=== Contractor Identification ===  
Company: E.I. DUPONT DE NEMOURS & CO  
Address: 1007 MARKET STREET  
Box: City: WILMINGTON  
State: DE  
ZIP: 19898  
Country: US  
Phone: 800-441-7515; 800-441-9442  
CAGE: 18873  
Company: EI DUPONT DE NEMOURS CO/AUTOMOTIVE PRODS  
Address: 1007 MARKET ST  
City: WILMINGTON  
State: DE  
ZIP: 19898  
Country: US  
Phone: (800) 441-7515  
CAGE: EO716

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Composition/Information on Ingredients  
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Name: ISOPROPYL ALCOHOL (SARA 313). SOL IN H\*2O: MISCIBLE  
CAS: 67-63-0  
RTECS #: NT8050000  
Fraction by Wt: 60-100%  
OSHA PEL: 400 PPM  
ACGIH TLV: 400 PPM/500 STEL

Name: SUPDAT: LD50: 16.37 ML/KG (C. 13,900 MG/KG) IN RABBITS.  
ORAL LD50: 4700 MG/KG IN RATS. CONTINUED VOLUNTARY (ING 3)  
RTECS #: 9999999ZZ

Name: ING 2: DRINKING OF 2.5% AQUEOUS ISOPROPYL ALCOHOL THRU 2  
SUCCESSIVE GENERATIONS OF RATS PRDCE NO REPRO EFTS. (ING 4)  
RTECS #: 9999999ZZ

Name: ING 3: DEVELOPMENTAL TOX WAS OBSERVED ONLY @ MATERNALLY  
TOXIC DOSE LEVELS. THE CMPD DOES NOT PRDCE GENETIC DMG (ING 5)  
RTECS #: 9999999ZZ

Name: ING 4: IN BACTERIAL/MAMMALIAN CELL CULTURES.  
RTECS #: 9999999ZZ

Name: FIRST AID PROC: TO UNCON PERSON. CALL PHYS. NOTES TO PHYS:  
ACTIVATED CHARCOAL MIX MAY BE ADMINISTERED. TO (ING 7)

RTECS #:9999999ZZ

Name:ING 6: PREPARE ACTIVATED CHARCOAL MIX, SUSPEND 50 GRAMS  
ACTIVATED CHARCOAL IN 400 ML WATER & MIX THOROUGHLY. (ING 8)  
RTECS #:9999999ZZ

Name:ING 7: ADMINISTER 5 ML/KG, OR 350 ML FOR AN AVERAGE ADULT.  
RTECS #:9999999ZZ

Name:SPILL PROC: IMPACT, FRICTION/ELECTRICITY. DISSIPATE VAP  
W/WATER SPRAY. DIKE SPILL. PVNT MATL FROM ENTERING (ING 10)  
RTECS #:9999999ZZ

Name:ING 9: SEWERS, WATERWAYS, OR LOW AREAS. NOTE: REVIEW FIRE  
FIGHTING MEASURES & HANDLING (PERSONNEL) SECTIONS (ING 11)  
RTECS #:9999999ZZ

Name:ING 10: BEFORE PROCEEDING WITH CLEAN-UP. USE APPROP  
PERSONAL PROTECTIVE EQUIPMENT DURING CLEAN-UP.  
RTECS #:9999999ZZ

Name:OTHER PREC: AVOID CONTACT WITH EYES, SKIN, OR CLOTHING.  
RTECS #:9999999ZZ

Name:RESP PROT: USE NIOSH APPRVD POSITIVE PRESSURE AIR SUPPLIED  
RESP IF THERE IS ANY POTNTL FOR UNCONTROLLED (ING 14)  
RTECS #:9999999ZZ

Name:ING 13: RELEASE, EXPOSURE LEVELS ARE NOT KNOWN, OR ANY  
OTHER CIRCUMSTANCES WHERE NIOSH APPRVD AIR PURIFYING (ING 15)  
RTECS #:9999999ZZ

Name:ING 14: RESPIRATORS MAY NOT PROVIDE ADEQUATE PROTECTION.  
RTECS #:9999999ZZ

=====**Hazards Identification**=====

LD50 LC50 Mixture:LD50: (ORAL,RAT) 4700 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:PROD CAN BE USED SAFELY WHEN APPLIC  
PRECS ARE FOLLOWED. ACUTE: FATAL DOSE BY INGEST IS ABOUT 250  
MILLILITERS. INGEST CAN CAUSE NAUS, VOMIT, ABDOM PAIN & LOSS OF  
CONSCIOUSNESS. PRODUCT IS AN EYE, NOSE & THROAT IRRITANT. PRLNGD  
DERMAL CONT MAY RSLT IN DRYNESS & REDNESS OF SKIN. INHAL MAY CAUSE  
NAUSEA, (EFTS OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT.  
Effects of Overexposure:HLTH HAZ: HDCH, ABDOM PAIN, FLUSHING OF FACE,  
HYPOTENSION, DEPRESSED RESPIRATION & WEAK. HIGHER EXPOS MAY CAUSE  
TEMPORARY ANESTHETIC EFTS SUCH AS DIZZ, HDCH, CONFUSN,  
INCOORDINATION & LOSS OF CONSCIOUSNESS. THIS CMPD DID NOT PRDCE  
GENETIC DMG IN MAMMALIAN CELLS. IT SHOWED NO REPRO EFTS IN ANIMAL  
TEST. IT DID (SUPDAT)  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

**First Aid:** INHAL: REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF BRTHG IS DFCLT, GIVE OXYG. CALL PHYS. SKIN: FLUSH W/WATER AFTER CONT. WASH CONTAMD CLTHG BEFORE REUSE. NOT SIGNIFICANTLY HAZ BY SKIN CONT. PRLNGD CONT MAY LEAD TO DRYING/DERM. EYE: IMMED FLUSH W/PLENTY OF WATER FOR @ LST 15 MINS. CALL PHYS. INGEST: DO NOT INDUCE VOMIT. IMMED GIVE 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH (ING 6)

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

Flash Point Method:CC  
Flash Point:66.0F,18.9C  
Lower Limits:2.0%  
Upper Limits:12.0%  
Extinguishing Media:FOAM, DRY CHEMICAL, CO\*2. WATER MAY BE INEFFECTIVE; ATTEMPT TO USE ONLY AS FOG.  
Fire Fighting Procedures:NIOSH APPRVD SCBA & FULL PROT EQUIP . EVACUATE PERS TO SAFE AREA. KEEP PERS REMOVED & UPWIND OF FIRE. SHUT OFF SOURCE OF FUEL, IF POSS & W/OUT (SUPDAT)  
Unusual Fire/Explosion Hazard:FLAMM LIQ. VAP FORMS EXPLO MIX W/AIR. HEATING CAN RELEASE VAPS WHICH CAN BE IGNITED. VAPS/GASES MAY TRAVEL CONSIDERABLE DISTANCES TO IGNIT SOURCE & FLASH BACK.

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

Spill Release Procedures:SOAK UP W/SAWDUST, SAND, OIL DRY/OTHER ABSORB MATL. DISCARDED MATL IS RCRA HAZ WASTE. USE SORBENT MATL SUITABLE FOR FLAMM POLAR SOLVS (ALCOHOLS). SPILL MAY BE TREATED BY COVERING W/SODIUM BICARBONATE. REMOVE SOURCE OF HEAT, SPARKS, FLAME, (ING 9)  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CNTNR IN COOL PLACE. DO NOT MIX W/STRONG OXIDIZERS. STORE IN WELL VENTILATED PLACE. STORE IN COOL PLACE. KEEP CONTAINER TIGHTLY CLOSED.  
Other Precautions:STORE I/A/W NATL FIRE PROT ASSOC REC. STORE I/A/W FED REGS. GROUND CNTNR WHEN POURING. USE OF NON-SPARKING & EXPLO-PROOF EQUIP MAY BE NEC DEPENDING ON TYPE OF OPERATION. KEEP AWAY FROM HEAT, SPKS & FL AMES. AVOID BRTHG VAPS/MIST. (ING 12)

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

Respiratory Protection:NIOSH APPRVD AIR PURIFYING RESP W/ORGANIC VAP CARTRIDGE/CANISTER MAY BE PERMISSIBLE UNDER CERTAIN CIRCUMSTANCES WHERE AIRBORNE CONCS ARE EXPECTED TO EXCEED EXPOS LIMITS. PROT PROVIDED BY NIOSH APPRVD AIR PURIFYING RESPS IS LIMITED. (ING 13)  
Ventilation:KEE CNTNR TIGHTLY CLSD. USE VENT THAT IS ADEQ TO KEEP EMPLOYEE EXPOS TO AIRBORNE CONCS BELOW REC EXPOS LIMITS.  
Protective Gloves:IMPERVIOUS; SUCH AS NEOPRENE GLOVES.  
Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .  
Other Protective Equipment:ANSI APPRVD EYE WASH & DELUGE SHOWER . IMPERVIOUS APRON, BOOTS/WHOLE BODYSUIT MADE FROM NEOPRENE, AS APPROPRIATE.  
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. WASH CLOTHING AFTER USE.

Supplemental Safety and Health

FIRE FIGHT PROC: RISK. COOL TANK/CNTNR W/WATER SPRAY. IF NOT IGNITED, USE WATER SPRAY TO DISPERSE VAPS. WATER MAY BE USED TO DILUTE TO NON-FLAMMABLE MIXTURE. EFTS OF OVEREXP: CAUSE DEVELOPMENTAL TOX B UT ONLY @ DOSES WHICH WERE MATERNALLY TOXIC. ANIMAL DATA: INHAL 4 HR LC50: 16,000 PPM IN RATS. SKIN ABSORPTION (ING 2)

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

Boiling Pt:B.P. Text:176F,80C  
Vapor Pres:33 @ 20C  
Vapor Density:2.1  
pH:4.0  
Evaporation Rate & Reference:NOT KNOWN  
Solubility in Water:100 WT%  
Appearance and Odor:COLORLESS LIQUID. LIKE ETHANOL/ACETONE ODOR.

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

Stability Indicator/Materials to Avoid:YES  
INCOMPATIBLE WITH STRONG OXIDIZERS.  
Stability Condition to Avoid:STABLE AT NORMAL TEMPERATURES AND STORAGE CONDITIONS.  
Hazardous Decomposition Products:DECOMPOSITION WILL NOT OCCUR UNDER NORMAL CONDITIONS OF USE.

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

Waste Disposal Methods:TREATMENT, STORAGE, TRANSPORTATION, & DISP MUST BE I/A/W APPLIC FEDERAL, STATE/PROVINCIAL, & LOCAL REGS. RECOVER NONUSABLE FREE LIQUID & DISPOSE OF IN APPRVD & PERMITTED INCINERATOR. DO NOT FLUSH TO S URFACE WATER/SANITARY SEWER SYSTEM.

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