

CHEMTRONICS INC.

MSDS #0908

SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION

COMPANY ADDRESS:
8125 COBB CENTER DRIVE
KENNESAW, GA 30152

PRODUCT INFORMATION: 800-TECH-401
CUSTOMER SERVICE: 800-645-5244
EMERGENCY: (CHEMTREC) 800-424-9300

REVISION: JANUARY 26, 1996
PREPARED: GWEN COTTRELL

PRODUCT IDENTIFICATION: STATIC FREE SD-7 PLAST-N-GLAS
PRODUCT CODE: ES1668

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#	WT. % RANGE
DEIONIZED WATER	7732-18-5	50.0-95.0
ISOPROPYL ALCOHOL	67-63-0	1.0-20.0
PROPYLENE GLYCOL MONOBUTYL ETHER	5131-66-8	1.0-20.0
ANTISTATIC AGENT	68308-67-8	0.01-10.0
FRAGRANCE	NA	0.01-10.0
MONOETHANOLAMINE	141-43-5	0.01-10.0
SURFACTANT	68412-54-4	0.1-10.0
PROPANE	74-98-6	1.0-20.0
ISOBUTANE	75-28-5	1.0-20.0

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: CLEAR, COLORLESS LIQUID WITH CLEAN, FRESH ODOR. THIS PRODUCT IS NOT FLAMMABLE. LIQUID WILL IRRITATE EYES AND SKIN UNDER REPEATED OR PROLONGED EXPOSURE. BREATHING HIGH CONCENTRATIONS OF PRODUCT VAPOR MAY PRODUCE DROWSINESS AND A HEADACHE.

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POTENTIAL HEALTH EFFECTS:

EYES: LIQUID, AEROSOLS AND VAPORS OF THIS PRODUCT ARE IRRITATING AND CAN CAUSE PAIN, TEARING, REDDENING AND SWELLING ACCOMPANIED BY A STINGING SENSATION.

SKIN: CONTACT CAUSES SKIN IRRITATION.

INGESTION: HARMFUL IF SWALLOWED. IRRITATING TO MOUTH, THROAT AND STOMACH. MAY CAUSE VOMITING.

INHALATION: HARMFUL IF INHALED. HIGH CONCENTRATIONS OF VAPORS IN IMMEDIATE AREA CAN DISPLACE OXYGEN AND CAN CAUSE DIZZINESS, UNCONSCIOUSNESS, AND EVEN DEATH WITH LONGER EXPOSURE. KEEP PEOPLE AWAY FROM SUCH VAPORS WITHOUT SELF-CONTAINED BREATHING APPARATUS.

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: SKIN, EYE

SECTION 4: FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER. AFTER INITIAL FLUSHING, REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. HAVE EYES EXAMINED AND TESTED BY MEDICAL PERSONNEL IF IRRITATION DEVELOPS OR PERSISTS.

SKIN: WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. WASH CLOTHING SEPARATELY BEFORE REUSE.

INGESTION: SWALLOWING LESS THAN AN OUNCE WILL NOT CAUSE SIGNIFICANT HARM. FOR LARGER AMOUNTS, DO NOT INDUCE VOMITING, BUT GIVE ONE OR TWO GLASSES OF WATER TO DRINK AND GET IMMEDIATE MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES

USA FLAME PROJECTION: NONFLAMMABLE (LT 18 INCHES)
LEL/UEL: NOT ESTABLISHED (% BY VOLUME IN AIR)

EXTINGUISHING MEDIA: USE ALCOHOL FOAM, CARBON DIOXIDE, OR WATER SPRAY WHEN FIGHTING FIRES INVOLVING THIS MATERIAL.

FIRE FIGHTING INSTRUCTIONS: AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND, MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

LARGE SPILLS: SHUT OFF LEAK IF POSSIBLE AND SAFE TO DO SO. WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER FOR PROPER DISPOSAL. DO NOT FLUSH TO SEWER. AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO WATERWAYS.

SMALL SPILLS: ABSORB SPILL WITH INERT MATERIAL (E.G. DRY SAND OR EARTH), THEN PLACE IN A CHEMICAL WASTE CONTAINER FOR PROPER DISPOSAL.

SECTION 7: HANDLING AND STORAGE

AVOID PROLONGED OR REPEATED CONTACT WITH EYES, SKIN, AND CLOTHING. WASH HANDS BEFORE EATING. USE WITH ADEQUATE VENTILATION. AVOID BREATHING PRODUCT VAPOR OR MIST. DO NOT REUSE THIS CONTAINER. STORE IN A COOL DRY PLACE AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE IN DIRECT SUNLIGHT. KEEP OUT OF REACH OF CHILDREN.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TWA	OSHA PEL	ACGIH STEL
ISOPROPYL ALCOHOL	400 PPM	400 PPM	500 PPM
PROPYLENE GLYCOL MONOBUTYL ETHER	NA	NA	NA

(ALL VALUES LISTED ARE FROM THE ACGIH GUIDE TO OCCUPATIONAL EXPOSURE VALUES - 1994).

WORK/HYGIENIC PRACTICES: GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. LOCAL EXHAUST VENTILATION MAY BE NECESSARY TO CONTROL ANY AIR CONTAMINANTS TO WITHIN THEIR TLVS DURING THE USE OF THIS PRODUCT. THIS MATERIAL DOES NOT HAVE ESTABLISHED EXPOSURE LIMITS. WEAR A POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR IN SITUATIONS WHERE THERE MAY BE POTENTIAL FOR AIRBORNE EXPOSURE. WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND A FULL FACE SHIELD. WEAR RUBBER OR OTHER CHEMICALLY RESISTANT GLOVES WHEN HANDLING THIS MATERIAL.

NFPA AND HMIS CODES	NFPA	HMIS
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0
PERSONAL PROTECTION	-	B

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: OPAQUE WHITE FOAM
ODOR: FLORAL FRAGRANCE
PH: 9.0-9.5 (LIQUID)
VAPOR PRESSURE (AIR=1): 760 MM HG @ 20 F
VAPOR DENSITY (AIR=1): GT 1 @ 68 F
BOILING POINT: 212 F (LIQUID ONLY)
SOLUBILITY IN WATER: GT 90% BY WT.
SPECIFIC GRAVITY (WATER=1): 0.95 (LIQUID ONLY)
EVAPORATION RATE (BUTYL ACETATE=1): GT 1
VISCOSITY: 1 (APPROXIMATELY)
PERCENT VOLATILE: GT 98% (APPROXIMATELY)
MELTING POINT: NA

SECTION 10: STABILITY AND REACTIVITY

STABILITY: THIS PRODUCT IS STABLE.
CONDITIONS TO AVOID: DO NOT SPRAY NEAR OPEN FLAMES, RED HOT SURFACES OR OTHER SOURCES OF IGNITION.

INCOMPATIBILITY: DO NOT MIX STRONG OXIDIZING AGENTS.

PRODUCTS OF DECOMPOSITION: THERMAL DECOMPOSITION MAY RELEASE CARBON MONOXIDE, CARBON DIOXIDE AND INCOMPLETELY BURNED HYDROCARBONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NA

SECTION 11: TOXICOLOGICAL INFORMATION (NIOSH RTECS THROUGH OCTOBER 1995)

INHALATION:
ISOPROPYL ALCOHOL LD50/RATS 16,000 PPM/4HRS

SKIN:
PROPYLENE GLYCOL MONOBUTYL ETHER LD50/RABBITS 3100 MG/KG
ISOPROPYL ALCOHOL 500 MG MLD

INGESTION:
ISOPROPYL ALCOHOL LD50/RATS 5,840 MG/KG
PROPYLENE GLYCOL MONOBUTYL ETHER* LD50/RATS 3,300 MG/KG

EYE:
ISOPROPYL ALCOHOL 10 MG MOD

INFORMATION RECEIVED FROM MANUFACTURER.

CANCER INFORMATION: NO INGREDIENTS LISTED AS HUMAN CARCINOGENS BY NTP OR IARC

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SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT INFORMATION: AVOID RUNOFF INTO STORM SEWERS AND DITCHES WHICH LEAD TO WATERWAYS. WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.

REPORTING: US REGULATIONS REQUIRE REPORTING SPILLS OF THIS MATERIAL THAT COULD REACH ANY SURFACE WATERS. THE TOLL FREE NUMBER FOR THE US COAST GUARD NATIONAL RESPONSE CENTER IS: 1-800-424-8802

ENVIRONMENTAL IMPACT DATA
(PERCENT BY WEIGHT)

CFC	0.0%	VOC	11.1%
HCFC	0.0%	HFC	0.0%
CL. SOLV.	0.0%	ODP	0.00

FOR MORE INFORMATION CALL: 1-800-645-5244

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. WATER RUNOFF CAN CAUSE ENVIRONMENTAL DAMAGE.

SECTION 14: TRANSPORTATION INFORMATION

 PROPER UN CLASS SUB. PKG. HAZARD PKG. MAX.
 SHIPPING NAME NUMBER RISK GROUP LABEL INSTR. QUANTITY

AIR: AEROSOLS NONFLAMMABLE, N.O.S.
 UN 1950 2.2 NA NA NON- 203 75 K.G.;
 FLAMMABLE Y203 30 KG
 GAS

GROUND: CONSUMER COMMODITY ORM-D
 NA ORM-D NA NA ORM-D PKG. 173.306
 AUTH.

SECTION 15: REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION:
THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372).

CHEMICAL NAME	CAS #	WT. % RANGE
GLYCOL ETHER	5131-66-8	1.0-5.0

TOXIC SUBSTANCES CONTROL ACT (TSCA): ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

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SECTION 16: OTHER INFORMATION

THIS PRODUCT IS A LEVEL 1 AEROSOL. DO NOT PUNCTURE OR INCINERATE CONTAINERS.
NORMAL VENTILATION FOR STANDARD MANUFACTURING PRACTICES IS USUALLY ADEQUATE.
LOCAL EXHAUST SHOULD BE USED WHEN LARGE AMOUNTS ARE RELEASED.

REFERENCES: 29 CFR 1910.1200 40 CFR 300-700 ANSI Z400.1-1993
NIOSH RTECS PROVIDED BY CHEM-BANK BY SILVERPLATTER
GUIDE TO OCCUPATIONAL EXPOSURE VALUES 1994

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE.
HOWEVER, ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH
CAUTION. IN PARTICULAR, IMPROPER USE OF OUR PRODUCTS AND THEIR INAPPROPRIATE
COMBINATION WITH OTHER PRODUCTS AND SUBSTANCES MAY PRODUCE HARMFUL RESULTS
WHICH CANNOT BE ANTICIPATED. FINAL DETERMINATION OF THE SUITABILITY OF ANY
MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALTHOUGH CERTAIN HAZARDS
ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS
THAT MAY EXIST.