ATTN: SAFETY DIRECTOR  
DR S ANDERSON  
UNIVERSITY OF WISCONSIN WHITewater  
P O BOX 296  
WHITewater WI 53190  

DATE: 03/31/92  
CUST#: 523216  
PO#: QD14241  

MATERIAL SAFETY DATA SHEET  

PRODUCT #: 17593-5  
CAS #: 865-49-6  
MF: CCL3D  

NAME: CHLOROFORM-D, 99.6+ ATOM % D  

NO TOXICITY DATA AVAILABLE  

ACUTE EFFECTS  
MAY BE FATAL IF INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN.  
VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.  
CAUSES SKIN IRRITATION.  
EXPOSURE CAN CAUSE:  
NAUSEA, DIZZINESS AND HEADACHE  
MAY CAUSE NERVOUS SYSTEM DISTURBANCES.  

CHRONIC EFFECTS  
CARCINOGEN.  
DAMAGE TO THE LIVER  
DAMAGE TO THE KIDNEYS  
DAMAGE TO THE HEART  
EXPOSURE TO AND/OR CONSUMPTION OF ALCOHOL  
MAY INCREASE TOXIC EFFECTS.  
MAY ALTER GENETIC MATERIAL.  
TARGET ORGAN(S):  
HEART  
LIVER, KIDNEYS  

FIRST AID  
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH copious AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.  
CONTAMINATION OF THE EYES SHOULD BE TREATED BY IMMEDIATE AND PROLONGED IRRIGATION WITH copious AMOUNTS OF WATER.  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.  
CALL A PHYSICIAN.  
WASH CONTAMINATED CLOTHING BEFORE REUSE.  

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BOILING PT: 60.9 C  
MELTING PT: -64 C  

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----------- PHYSICAL DATA -----------

SPECIFIC GRAVITY: 1.500

APPEARANCE AND ODOR
COLORLESS LIQUID

FLASHPOINT: NONE

EXTINGUISHING MEDIA
NONCOMBUSTIBLE.

USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

----------- REACTIVITY DATA -----------

INCOMPATIBILITIES
BASES
ALUMINUM
SENSITIVE TO LIGHT
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
HYDROGEN CHLORIDE GAS
PHOSGENE GAS
CARBON MONOXIDE, CARBON DIOXIDE

---------- SPILL OR LEAK PROCEDURES ----------

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD
THE MATERIAL SHOULD BE IGNETED IN THE PRESENCE OF SODIUM CARBONATE

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--- SPILL OR LEAK PROCEDURES ---
AND SLAKED LIME (CALCIUM HYDROXIDE). THE SUBSTANCE SHOULD BE MIXED
WITH VERMICULITE AND THEN WITH THE DRY CAUSTICS, WRAPPED IN PAPER AND
BURNED IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER
AND SCRUBBER.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---
WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT
GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
USE ONLY IN A CHEMICAL FUME HOOD.
SAFETY SHOWER AND EYE BATH.
DO NOT BREATHE VAPORS.
AVOID ALL CONTACT.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
HIGHLY TOXIC.
CARCINOGEN.
MUTAGEN.
IRRITANT.
KEEP TIGHTLY CLOSED.
PROTECT FROM LIGHT.
HYGROSCOPIC.
STORE UNDER NITROGEN.

LABEL PRECAUTIONARY STATEMENTS
HIGHLY TOXIC (USA DEFINITION)
TOXIC (EUROPEAN DEFINITION)
MAY CAUSE CANCER.
MAY CAUSE HEREDITARY GENETIC DAMAGE.
TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
TARGET ORGAN(S): LIVER, KIDNEYS.
IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE
POSSIBLE).
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
PROTECTION.

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