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HF SCIENTIFIC INC. -- 11961, FORMALDEHYDE -- 6810-01-017-3542

Product ID:11961,FORMALDEHYDE

MSDS Date:05/22/1995

FSC:6810

NIIN:01-017-3542

MSDS Number: BXYDS === Responsible Party ===

Company Name: HF SCIENTIFIC INC. Address: 3170 METRO PARKWAY S.E.

City:FORT MYERS

State:FL

ZIP:33916-7537 Country:US

Info Phone Num:813-337-2116

Emergency Phone Num:800-424-9300

Prepa

rer's Name:NONE

CAGE:58177

=== Contractor Identification ===

Company Name:HF SCIENTIFIC INC. Address:3170 METRO PARKWAY S.E.

City:FORT MYERS

State:FL

ZIP:33916-7539

Country:US

Phone:941-337-2116

CAGE:58177

====== Composition/Information on Ingredients ========

Ingred Name: FORMALDEHYDE (SARA III)

CAS:50-00-0

RTECS #:LP8925000 Fraction by Wt: 4%

Other REC Limits:MFR, TLV STEL: 2PPM

OSHA PEL:1 PPM,SEE 1910.1048 ACGIH TLV:C 0.3 PPM; A2; 9394

EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

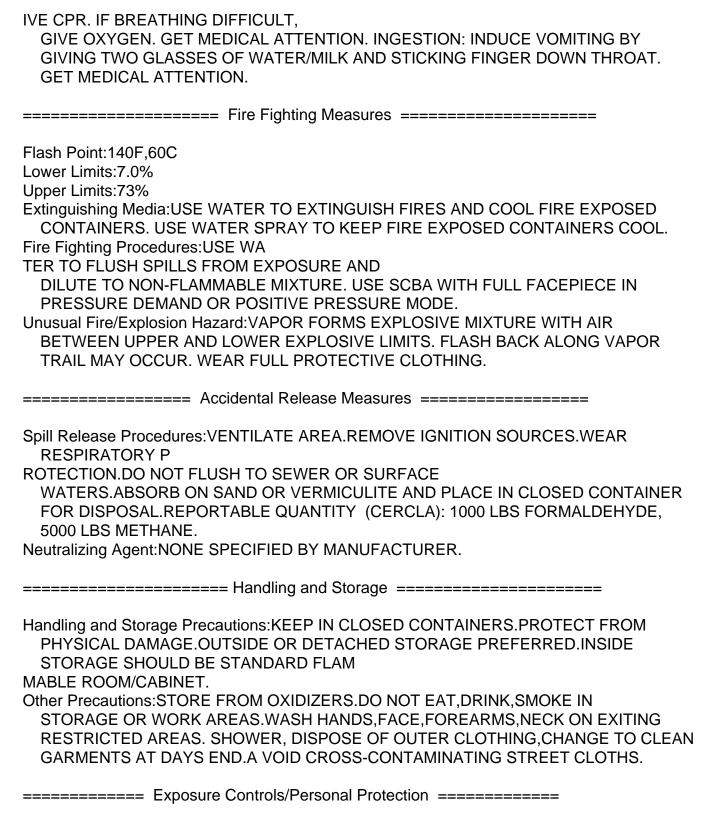
ngred Name: METHYL ALCOHOL (METHANOL) (SARA III) CAS:67-56-1 RTECS #:PC1400000 Fraction by Wt: 1.0-1.5% Other REC Limits:250 PPM STEL OSHA PEL:S,200PPM/250STEL ACGIH TLV:S,200PPM/250STEL; 94 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS Ingred Name:WATER CAS:7732-18-5 RTECS #:ZC0110000 Fraction by Wt: BALANCE Other REC Limits: NONE RECOMMENDED LD50 LC50 Mixture:ORAL LD50 (RAT) IS 800 MG/KG. Routes of Entry: Inhalation:YES Skin:YE S Ingestion:YES Reports of Carcinogenicity:NTP:YES | IARC:YES | OSHA:YES Health Hazards Acute and Chronic:ACUTE: EYES:IRRITATION, DAMAGE. SKIN:IRRITATION, BURNS, ABSORBTION WITH SAME SYMPTOMS AS INGESTION. INHALATION: RESPIRATORY TRACT IRRITATION, INJURY, DEATH. INGESTION: IRRITATION, VOMITING, DIARRHEA, BLINDNESS, UNCONSCIOUSNESS, DEATH. CHRONIC: DERMATITIS, ALLERGIC REACTION, VISION IMPAIRMENT, LIVER ENLARGEMENT, SUSPECTED CARCINOGEN. Explanation of Carcinogenicity: CONTAINS F -0] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN. SKIN:IRRITATION, PAIN,BURNS,ABSORBTION WITH SAME SYMPTOMS AS INGESTION. INHALATION: SORE THROAT, RESPIRATORY TRACT IRRITATION, INJURY, PULMONARY EDEMA, PNEUMONIT IS, DEATH. INGESTION:PAIN, VOMITING, HEADACHE, DIARRHEA, GITRACT PAIN, WEAK

Effects of Overexposure:EYES:IRRITATION,PAIN,BLURRED VISION,DAMAGE. IRREGULAR PULSE, BLINDNESS, UNCONSCIOUSNESS, DEATH.

Medical Cond Aggravated by Exposure: PERSONS WITH PRE-EXI STING SKIN AND

EYE PROBLEMS, IMPAIRED LIVER, KIDNEY OR RESPIRATORY FUNCTION MAY BE AT INCREASED RISK FROM EXPOSURE.PREVIOUSLY EXPOSURE MAY CAUSE ALLERGIC REACTION TO FUTURE EXPOSURE.

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, G



Respiratory Protection: IF PEL IS EXCEEDED, A FULL-FACE RESPIRATOR WITH CARTRIDGES OR CANISTERS SPECIFICALLY APPROVED FOR PROTECTION

AGAINST FORMALDEHYDE MAY BE WORN UP TO CONCENTRATIONS OF 10 PPM. Ventilation: LOCAL AND/OR GENERAL EXHAUST IS RECOMMENDED. LOCAL EXHAUST IS GENERALLY PREFERRED SINCE IT CONTROLS EMISIONS AT SOURCE. Protective Gloves:WEAR IMPERVIOUS GLOVES. Eye Protection: CHEMICAL SAFETY GOGGLE AND/OR FACESHIELD Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER. DO NOT WEAR CONTACT LENSES. WEAR IMPERVIOUS PROTECTIVE CLOTHING, BOOTS. Work Hygienic Practices: WASH AFTER HANDLING AND BEFORE EATING DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. Supplemental Safety and Health REACTION OF FORMALDEHYDE WITH HYDRCHLORIC ACID MAY FORM BIS-CHLOROMETHYL ETHER, AN OSHA REGULATED CARCINOGEN. ======== Physical/Chemical Properties ============ HCC:F6 Boiling Pt:B.P. Text:205F,96C Melt/Freeze Pt:M.P/F.P Text:5F,-15C Vapor Density: 1.04 Spec Gravity: 1.08 Solubility in Water:INFINITE Appearance and Odor: CLEAR, COLORLESS LIQUID. PUNGENT ODOR. ========== ==== Stability and Reactivity Data ========= Stability Indicator/Materials to Avoid:YES REACTS EXPLOSIVELY WITH NITROGEN DIOXIDE AT 356F: VIOLENTLY WITH PERCHLORIC ACID, NITROMETHANE, PERCHACID-ANILINE MIXTURE. Stability Condition to Avoid: EXTREMES IN TEMPERATURE, SPARKS, AND FLAME. AVOID OXIDIZING AGENTS AND ALKALIES.

Hazardous Decomposition Products:IF INVOLVED IN FIRE, IRRITATING GASEOUS FORMALDEHYDE AND CABON MONOXIDE MAY BE RELEASED.

Conditions to Avoid Polymerization:T

RIOXYMETHYLENE PRECIPITATE CAN FORM

ON STANDING AT VERY LOW TEMPERATURES. PARAFORMALDEHYDE MAY FORM AT LOW TEMPERATURE.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. IF PERMITTED, MAY BE DISPOSED IN APPROVED FACILITY OR DISSOLVED IN APPROPRIATE COMBUSTIBLE SOLVENT AND ATOMIZED IN A RCRA APPROVED CHE MICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER.

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