



AQUARIUM PRODUCTS MSDS– FORMALIN # FM-1
MATERIAL DATA SAFETY SHEET
ISSUE 1

AQUARIUM PRODUCTS -- FORMALIN

MATERIAL SAFTY DATA SHEET

PART NUMBER / TRADE NAME: FM-1 / FORMALIN

General Information

Company's Name: AQUARIUM PRODUCTS INC.
Company's Street: 180-H PENROD COURT.
Company's City: GLEN BURNIE.
Company's State: MARYLAND.
Company's Country: US
Company's Zip Code: 21061
Company's Emerg. Ph #: 410-761-2100
Company's Info Ph # 410-761-2100
Date MSDS Prepared: 16Aug01
Status: Current
Safety Data Review Date: 16Aug03
MSDS Serial Number: **FM-111**

Ingredient / Identity Information

Proprietary: NO
Ingredient: FORMALDEHYDE 37% SOLUTION
Ingredient Sequence Number 01
CAS Number: 50-00-0
NIOSH (RTECS) Number: LP8925000
OSHA PEL: SEE 29 CFR 191.1048
ACGIH TLV: Irritation, Carcinogen

Proprietary: NO
Ingredient: METHYL ALCOHOL (METHANOL)
Ingredient Sequence Number 02
NIOSH (RTECS) Number: PC1400000
CAS Number: 67-56-1
OSHA PEL: 200 ppm, 260mg/m3
ACGIH TLV: Neuropathy; vision; CNS
NIOSH RELs: (SKIN) TWA 200 ppm, 260 mg/m3....STEL/CEIL (C): 250 ppm. 325 mg/m3

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number 03
CAS Number: 112-12-6
NIOSH (RTECS) Number: ZC0110000

Physical / Chemical Characteristics

Appearance And Odor: CLEAR COLORLESS LIQUID WITH A CHARACTERISTIC ODOR OF FORMALDEHYDE.
Boiling Point: 96 ° C (205 ° F)
Melting Point: -15 ° C (5 ° F)
Specific Gravity: (water=1): 1.08
Evaporation Rate And Reference: NOT APPLICABLE.
Solubility In Water: SOLUBLE.

Fire and Explosion Hazard Data

Flash Point: NOT APPLICABLE.
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Extinguishing Media: USE WATER, DRY CHEMICAL, FOAM, AND CARBON DIOXIDE.
Special Fire Fighting Procedure: WEAR NIOSH APPROVED SCBA & FULL PROTECTIVE.
Equipment: NOT APPLICABLE.
Unusual Fire And Expl. Hazards: NONE KNOWN.

Reactivity Data

Stability: YES
 Condition To Avoid: (STABILITY): NOT APPLICABLE.
 Materials To Avoid: NONE KNOWN.
 Hazardous Decomp. Products: NONE KNOWN.
 Hazardous Poly. Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT.

Health Hazard Data

Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES
 Route Of Entry – Ingestion: YES
LD50 TESTING:
 TEST: ORAL
 SUBJECT: RODENT
 DOSE: 100ml / kg.
 TEST: INHALATION
 SUBJECT: RODENT
 DOSE: 203mg / kg.
 TEST: SUBCUTANIOUS
 SUBJECT: RODENT
 DOSE: 420 mg / kg.
 Health Hazard Acute And Chronic: ACUTE AND CHRONIC: CONSIDERED A
 HAZARDARDOUS LIQUID. SIGNS AND SYMPTOMS: MAY CAUSE IRRITATION TO
 EYES AND OPEN SORES.
 Carcinogenicity - NTP: YES
 Carcinogenicity - IARC: YES
 Carcinogenicity – OSHA: YES
 Explanation Carcinogenicity: CARCINOGENIC DETERMINATION (FORMADEHYDE GAS):
 SUFFICIENT EVIDENCE IN ANIMALS – INADEQUATE EVIDENCE IN HUMANS (IARC
 SUPPLEMENT 4,1982). LISTED AS A CARCINOGEN BY THE NATIONAL
 TOXICOLOGY PROGAM (NTP) 3RD ANNUAL REPORT. METHANOL: MUTATION
 REFERENCES CITED AND REPRODUCTIVE EFFECTS CITED.
 LISTED IN CALIFORNIAS PROPOSITION 65: THIS PRODUCT CONTAINS A CHEMICAL
 KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.
 Signs / Symptoms Of Over Exposure: SEE HEALTH HAZARDS.
 Medical Conditions Aggravated By Exposure: RESPIRATION PROBLEMS.

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Emergency First Aid procedures: INHALATION: REMOVE TO FRESH AIR – SUPPORT BREATHING (GIVE OXYGEN / RESPIRATOR. EYES: IMMEDIATELY FLUSH W / PLENTY OF POTABLE WATER. INGESTED: CALL A PHYSICAN.
RISK AND SAFTY FACTORS: R: 23/24/25, 34, 40, 43 S: 26, 36/37, 39, 45, 51

Precautions For Safe Handling And Use

Steps If Material Released / Spill: CONTAIN SPILL. ABSORB LIQUID WITH CHEMICALLY ABSORBENT PILLOW / TOWELS.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: DISPOSE OF PILLOWS OR TOWELS IN AN APPROVED LANDFILL.
FEDERAL, STATE AND LOCAL REGULATIONS TAKE PRECEDENCE.
Precautions – Handling / Storing: STORE IN ORIGINAL CONTAINER. KEEP OUT OF THE REACH OF CHILDREN.
Other Precautions: WASH WITH SOAP AND WATER AFTER HANDLING.

Control Measures

Respiratory Protection: USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CERTAIN (EP N): REQUIRED.
Ventilation: APPLICABLE.
Protective Gloves: IMPERVIOUS GLOVES (FP N).
Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS (FP N).
Other Protective Equipment: ANSI APPROVED EMERGENCY EYE WASH AND DELUGE SHOWER (EP N).
Work Hygienic Practices: PRACTICE GOOD SANITARY HABITS AFTER HANDLING.
Supply / Safety & Health Date: NONE SPECIFIED BY MANUFACTURER.

Transportation Data

NONE SUPPLIED BY MANUFACTURER

Disposal Data

See Precautions For Safe Handling And Use

Label Data

Label Required: YES
Common Name: FORMALIN
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard - Slight: x
Contact Hazard – Slight: x
Fire Harzard – None: x
Reactivity Hazard – None: x
Special Hazard Precautions: KEEP OUT OF THE REACH OF CHILDREN.
Protect Eye: x
Protect Skin: x
Protect Respiratory: x
Label Name: AQUARIUM PRODUCTS.
Label Street: x
Label City: GLEN BURNIE.
Label State: Md.
Label Zip Code: 21061
Label Country: x
Label Emergency Number: x