

M73

MATERIAL SAFETY DATA SHEET

2186-3531
2686-3533
48
1186-3535

SECTION I

Product Name: Formalin, 10%
Size: 1L, 4L, 20L, 205L
Chemical name: does not apply
Formula: Formaldehyde, 37%....10.0ml
Distilled water.....90.0ml
Manufacturer: Carolina Biological Supply Company
Address: 2700 York Road
Burlington, NC 27215

For Information on Health Hazards Call: (919) 584-0381
For Other Information Call: (919) 584-0381
Date: Revised 12/3/85

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Components (%): Formaldehyde 3.7%
TLV (Units): 3ppm in air, LD50 Oral rat 800mg/Kg

SECTION III PHYSICAL DATA

Boiling Point (F.): no information available
Vapor Pressure (mm Hg.): no information available
Vapor Density (Air=1): no information available
Specific Gravity (H2O=1): no information available
Percent Volatile By Volume (%): 100%
Evaporation Rate (=1): no information available
Solubility in Water: 100%
Appearance and Odor: Colorless liquid, pungent irritating odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): no information available
Extinguisher Media: Not flammable
Flammable Limits in Air % by Vol.:
Autoignition Temperature:
Special Fire Fighting Procedures: Wear self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Moderately dangerous because of irritating vapor which could be present in toxic concentrations.

SECTION VI HEALTH HAZARD DATA

Threshold Limit Value: See Section II
Effects of Over exposure: Skin and mucous membrane irritation.
Sensitizer. Can cause violent vomiting and diarrhea if swallowed.
Acute Overexposure: no information available
Chronic Overexposure: Possible Carcinogen. May cause hypersensitivity.
Emergency and First Aid Procedures:
Inhalation: Remove to fresh air. Give artificial respiration, if breathing is stopped
Eyes: Get prompt treatment from physician after flushing with large amounts of water.
Skin: Flush with large amounts of water.
Ingestion: Induce vomiting, give large amounts of milk.

SECTION VI REACTIVITY DATA

Stability:

unstable;

stable: Stable if inhibited with alcohol.

Conditions to Avoid: no information available

Incompatibility (Materials to Avoid): Avoid easily oxidized material, alkalis, nitrogen dioxide, perchloric acid and aniline, and performic acid.

Hazardous Decomposition Products: no information available

Hazardous Polymerization:

may occur: Non-hazardous polymerization may occur

will not occur:

Conditions to Avoid: no information available

SECTION VII SPILL OR LEAK PROCEDURES

Steps to Be Taken In Case Material is Released or Spilled: Cover with sodium bisulfite, wash down drain with a large excess of water. Wash site with soap solution.

Waste Disposal Method: Dissolve in flammable solvent and burn in an approved incinerator equipped with an afterburner. All disposal should be done in accordance with all federal, state, and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Self-contained breathing apparatus for industrial or pilot plant operations

Ventilation:

Local Exhaust:

Mechanical (general): X

Special:

Other:

Protective Gloves: Rubber

Eye Protection: Splash proof goggles; do not wear contact lenses

Other Protective Clothing or Equipment: Lab coat, eye wash, and safety shower

SECTION IX SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Keep well closed in a moderately warm area. Minimum temperature 29F. Protect against physical damage.

Other Precautions: no information available

Approved by: *Dan Thomas*

Eye: Get prompt treatment. Flush with large amounts of water.

Skin: Flush. Wash later.

Ingestion: Do not vomit.