

Material Safety Data Sheet

Created: 9/26/06



54 E. Spring Valley Pike
Dayton, OH 45458

(937)291-1070

For Poison Control Information,
please contact your regional Poison Control Center.

Product Identity: Formalin-MS

Section I. Hazardous Ingredients / Identity Information

Water	47 - 53.5%	CAS #: 7732-18-5
Formaldehyde	36.5 - 38%	CAS #: 50-00-0
Methyl Alcohol	10 - 15%	CAS #: 67-56-1

Health Hazard	3
Fire Hazard	2
Reactivity	0

Section II. Physical/Chemical Characteristics

Boiling Point: 98°C (208.4°F) Specific Gravity (H₂O = 1): 1.08
Vapor Pressure (mm Hg.): 2.4 kPa (@ 20°C) Melting Point: -15°C (5°F)
Vapor Density (Air = 1): 1.03
Solubility in water: Easily soluble
Appearance and Odor: Clear Colorless liquid with strong odor. Pungent.

Section III. Fire and Explosion Hazard Data

Flammable
Flash Point (Method Used): Closed Cup 50°C (122°F)
Flammable Limits: LOWER: 6% UPPER: 36.5% (methyl alcohol)
Extinguishing Methods:
 Small Fire: Use dry Chemical powder
 Large Fire: Use alcohol foam, water spray or fog
Unusual Fire and Explosion Hazards:
 Non-explosive in presence of open flames and sparks.
 Explosive in form of vapor when exposed to heat or flame.
 Caution: May burn with near invisible flame (methyl alcohol)

Section IV. Reactivity Data

Stability: Stable
Incompatibility (Materials to avoid): oxidizing agents, reducing agents, acids, alkalis
Polymerization: Will not occur
Conditions to avoid: Also incompatible with urea, phenol, isocyanates, anhydrides, amines, AZO compounds, carbonyl compounds, oxides, performic acid, dithiocarbmates, and peroxides.

Section V. Health Hazard Data

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Health Hazards:

Very hazardous in case of eye contact (irritant), or ingestion.

Hazardous in case of skin contact (irritant, sensitizer, permeator), or eye contact (corrosive).

Slightly hazardous in case of skin contact (corrosive).

Carcinogenicity: IARC: 2A

Section VI. First Aid Procedures

Eye Contact: Check for and remove contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyes open. Cold water may be used. Get medical attention immediately.

Skin Contact: In case of contact immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothes and shoes. Wash clothing and shoes thoroughly before re-using. Get medical attention.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: If inhaled, remove to fresh air. Get medical attention.

Serious Inhalation: Evacuate victim to a safe area immediately. Loosen tight clothing such as a tie, belt or waistband. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Seek immediate medical attention.

Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

Section VII. Precautions for Safe Handling and Use

Precautions: Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe gas / fumes / vapor / spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical attention. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, acids, alkalis, moisture.

Storage: Keep in cool ventilated area out of reach of children. Keep container tightly closed and sealed until ready to use. Avoid all sparks and flame.

Small Spill: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Section VII. Precautions for Safe Handling and Use continued

Large Spill: Flammable liquid. Poisonous liquid. Keep away from heat. Keep away from sources of ignition. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry in sewers, basements or confined areas. Call local waste/chemical management service for assistance on disposal.

Follow all state, federal, and local waste disposal guidelines.

Section VIII. Protection Measures

Personal Protection: Safety glasses, lab coat and gloves (impervious). Wear appropriate respirator when ventilation is inadequate.

This product is bottled and labeled for use only with ornamental fish. Not for use with fish used for human consumption. Any other use is neither stated nor implied.