

# Safety Data Sheet

## FORMALIN, 30% AQUEOUS

### Section 1 - Chemical Product and Company Identification

**SDS Name:** Formalin, 30% Aqueous

**Catalog Numbers:** SO-706

**Company Identification:** ROWLEY BIOCHEMICAL  
10 ELECTRONICS AVENUE  
DANVERS, MA 01923

**For information, call:** 978-739-4883

**Emergency Number:** 800-424-9300

**For CHEMTREC assistance, call:** 800-424-9300

### Section 2 - Hazards Identification

#### GHS Classifications

##### HEALTH HAZARDS

H302-Acute Oral Toxicity: 4

H312-Acute Dermal Toxicity: 4

H315-Skin Corrosion/Skin Irritation: 2

H318-Eye damage/Irritation: 2B

H350-Carcinogenicity: 1A

##### PHYSICAL HAZARDS

**Not Classified**

##### ENVIRONMENTAL HAZARDS

**Aquatic acute environmental Hazards: 1**

**Pictograms or Hazard symbols and Hazard statement.**



**Very toxic to aquatic life.**



Warning: Harmful if swallowed.  
Harmful in contact with skin.  
Causes skin irritation.  
Causes eye irritation.



Danger: May cause cancer.

#### **Precautionary Statement Prevention**

##### H302

**P264** Wash thoroughly after handling.

**P270** Do not eat, drink, or smoke when using this product.

**P301 + P312** If swallowed, call a physician if you feel unwell.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**P330** Rinse mouth.

##### H312

**P280** Wear protective gloves, clothing, and eye and face protection.

**P302 + P352** If on skin, wash with plenty of soap and water.

**P312** Call a physician if you feel unwell

**P361 + P363** Take off immediately all contaminated clothing and wash it before reuse.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

##### H315

**P280** Wear protective gloves, clothing, and eye and face protection.

**P302 + P352** If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.

**P332 + P313** If skin irritation occurs, get medical advice/attention.

**P362** Take off contaminated clothing and wash before reuse.

H318

**P280** Wear eye and face protection.

**P305 + P351 + P338** If in eyes, rinse cautiously with water for several minutes.

**P337 + P313** If eye irritation persists, get medical advice/attention.

H350

**P201** Obtain special instructions before use.

**P202** Do not handle until all safety precautions have been read and understood.

**P281** Use personal protective equipment as required.

**P308 + P313** If exposed or concerned: Get medical advice/attention.

**P405** Store locked up

H361

**P201** Obtain special instructions before use.

**P202** Do not handle until all safety precautions have been read and understood.

**P281** Use personal protective equipment as required.

**P308 + P313** IF exposed or concerned: Get medical advice/attention.

**P405** Store locked up

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

H371

**P260** Do not breathe fume/gas/mist/vapors.

**P270** Do not eat, drink, or smoke when using this product.

**P309+P311** IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
50-00-0	Formaldehyde	30 v/v
7732-18-5	Water	balance

#### Section 4 - First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

**Oral Exposure:** If Swallowing seek immediate medical advice.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

#### Section 5 - Fire Fighting Measures

Firefighters should wear proper protective clothing and self-contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**NFPA Rating:** (estimated) Health: 2; Flammability: 0; Instability: 0

#### Section 6 - Accidental Release Measures

**Procedure(s) of Personal Precaution(s):**

Wear protective gear.

**Methods for Cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

#### Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at room temperature. Keep away from incompatible materials

#### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and

ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

### Section 9 - Physical and Chemical Properties

**Physical State:** Solution

**Appearance:** clear

**Odor:** formaldehyde

**pH:** 3.30 (+/-0.20)

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** 78 deg C

**Solubility:** Soluble

### Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under ordinary conditions of use and storage.

**Incompatibilities with Other Materials:** Strong Oxidizing agents.

**Hazardous Decomposition Products:** No data available.

**Hazardous Polymerization:** Will not occur.

### Section 11 - Toxicological Information

**RTECS#:**

**LD50/LC50:**

CAS# 50-00-0

Mouse oral: 260 mg/kg

Rabbit skin: 64000/ 4 H

Mouse inhalation: 64000/ 8 hours.

**Solution Carcinogenicity:**

Formaldehyde is listed by ACGIH, IARC: Group 1 (Carcinogenic to humans), NTP and CA Prop 65.

## Section 12 - Ecological Information

### **Ecotoxicity:**

**CAS#** 50-00-0. This material is expected to be slightly toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

**Environmental:** When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals.

**Physical:** No information available.

**Other:** No information available.

## Section 13 - Disposal Considerations

### **Appropriate method of disposal of substance or preparation:**

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved waste facility.

## Section 14 – Transport Information

### **DOT**

Non-Regulated

## Section 15 - Regulatory Information

### Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

### **California Prop 65**

Formaldehyde, is a chemical known to the state of California to cause cancer.

### **European/International Regulations**

#### **European Labeling in Accordance with EC Directives**

#### **Hazard Symbols:**

Irritant.

**Risk Phrases:**

R20/21/22 Harmful in contact with skin and if swallowed

R36/38 Irritating to eyes and skin

**R51** Toxic to aquatic organisms

R

**Safety Phrases:**

S20/21 When using do not eat, drink or smoke

S2 Keep out of the reach of children

S 7 Keep container tightly closed.

S 9 Keep container in a well-ventilated place

Section 16 - Additional Information
-------------------------------------

**MSDS Creation Date:** 11/1/12

**Revision #1 YM 11/19/14**

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Rowley Biochemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rowley Biochemical, Inc. has been advised of the possibility of such damages.*