

Safety Data Sheet

FORMALIN, 20% AQUEOUS

Section 1 - Chemical Product and Company Identification

SDS Name: Formalin, 20% Aqueous

Catalog Numbers: SO-333 F-393-6 K-691-6

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	20 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 RC 11/5/14

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