

# Safety Data Sheet

# **ALCOHOLIC BOUIN'S**

## Section 1 - Chemical Product and Company Identification

**SDS Name:** Alcoholic Bouin's

**Catalog Numbers:** SO-936

**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**

H300-Acute Oral Toxicity: 1  
H330-Acute Inhalation toxicity: 1  
H314-Skin Corrosion/Skin Irritation: 1A  
H318-Eye damage/Irritation: 1  
H334-Respiratory Sensitization: 1B  
H317-Skin Dermal Sensitization: 1B  
H341-Germ Cell Mutagenicity: 2  
H350-Carcinogenicity: 1B  
H361-Reproductive Toxicity: 2  
H370-Specific Target Organ Toxicity: 1

#### **PHYSICAL HAZARDS**

H224-Flammability: 1  
H290-Corrosive to Metals: 1

#### **ENVIRONMENTAL HAZARDS**

H400-Aquatic Acute Environmental Hazards: 1

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



**OXIDIZER!**

and vapour.



**Danger: Highly flammable liquid**



**FATAL IF SWALLOWED!**



**CAUSES SEVERE SKIN BURNS AND EYE DAMAGE!**

**CAUSES SEVERE EYE DAMAGE!**



**MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.**

**SUSPECTED OF CAUSING GENETIC DEFECTS!**

**MAY CAUSE CANCER!!**

**SUSPECTED IF DAMAGING FERTILITY OR THE UNBORN CHILD.**

**CAUSES DAMAGE TO ORGANS.**



**MAY CAUSE AN ALLERGIC SKIN REACTION.**

#### **Precautionary Statement Prevention**

##### **H300**

**P264 Wash thoroughly after handling.**

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

**P301 + P310 If swallowed, immediately call a physician.**

**P330 Rinse mouth.**

**P405 Store locked up.**

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

##### **H330**

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

**P271 Use only outdoors or in a well-ventilated area.**

**P284 In case of inadequate ventilation, wear respiratory protection.**

**P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.**

**P310 Seek medical assistance if exposed.**

**P403 + P233 Store in a well-ventilated place. Keep container tightly closed.**

**P405 Store locked up.**

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

##### **H314**

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

**P264 Wash thoroughly after handling.**

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

**P301 + P330 + P331 If swallowed, rinse mouth. Do not induce vomiting.**

**P303 + P361 + P353 If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water.**

**P363 Wash contaminated clothing before reuse.**

P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.

P310 Seek medical assistance if exposed.

P405 Store locked up.

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

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

### 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.

### H334

P261 Avoid breathing fumes/mist/vapors.

P285 In case of inadequate ventilation, wear respiratory protection.

P304+P341 IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342+P311 if experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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

### H317

P272 Contaminated work clothing should not be allowed out of the work place.

P333+P313 IF ON SKIN: Wash with plenty of soap and water.

P363 Wash contaminated clothing before reuse.

### H341+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.

### H350

P201 Obtain special instructions before use.

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

P281 Use personal protective equipment as required.

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

P405 Store locked up

### H370

P60 Do not breathe dust/fume/gas/mist/vapors/spray. Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.

P264 Wash thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.

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

P307 + P311 If exposed call a POISON CENTER or doctor/physician.

P321 Specific treatment (see. On this label).Reference to supplemental first aid instruction. If immediate measures are required.

### H224, H225, or H226:

P210 Keep away from heat, flames, and hot surfaces. No smoking.

P233 Keep container tightly closed.

P241 Use explosive-proof equipment.

P242 Use only non-sparking tools.

**P243** Take precautionary measures against static discharge.  
**P280** Wear protective gloves, clothing, and eye and face protection.  
**P303 + P361 + P353** If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water.  
**P403 + P235** Store in a well-ventilated place. Keep cool.  
**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.  
**H290**  
**P234**-Keep only in original container.  
**P390**-Absorb spillage to prevent material damage.  
**P406**-Store in corrosive resistant/container with a resistant inner liner

**H400**

**P273** Avoid release to the environment.  
**P391** Collect spillage.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
50-00-0	Formaldehyde	28 v/v
88-89-1	Picric Acid	0.48 v/v
64-17-5	Ethyl Alcohol	54.3 v/v
67-56-1	Methyl Alcohol	2.9 v/v

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: 1; Instability: 0

## Section 6 - Accidental Release Measures

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

Wear protective gear. Eliminates all sources of ignition.

**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:** Use explosion-proof ventilation equipment. 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:** yellow

**Odor:** Acetic acid-formaldehyde

**pH:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** N/A

**Solubility:** Soluble

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, ignition sources, excess heat, oxidizers.

**Incompatibilities with Other Materials:** Strong oxidizing agents, alkali metals, ammonia, hydrazine, peroxides, sodium, acid anhydrides, calcium hypochlorite, chromyl chloride, nitrosyl perchlorate, bromine pentafluoride, perchloric acid, silver nitrate, mercuric nitrate, potassium-tert-butoxide, magnesium perchlorate, acid chlorides, platinum, uranium hexafluoride, silver oxide, iodine heptafluoride, acetyl bromide, disulfuryl difluoride, tetrachlorosilane + water, acetyl chloride, permanganic acid, ruthenium (VIII) oxide, uranyl perchlorate, potassium dioxide.

**Hazardous Decomposition Products:** Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

**Hazardous Polymerization:** Will not occur.

Section 11 - Toxicological Information
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**RTECS#:**

**LD50/LC50:**

CAS# 50-00-0:

Oral rat LD50: 100 mg/kg.

**Carcinogenicity:**

CAS# 50-00-0

N/A

**Solution Carcinogenicity:**

Formaldehyde is listed by ACGIH, IARC, NTP and CA Prop 65.

**RTECS#:**

**LD50/LC50:**

**CAS#** 88-89-1

Oral Rat LD50: >60000 mg/kg

LC50: 170 mg/l (96 hr Lepomis Macrochirus)

**Carcinogenicity:**

CAS# 88-89-1

N/A

**RTECS#:**

**LD50/LC50:**

**CAS#** 64-17-5

Oral Rat LD50: 5627 mg/kg

LC50: 170 mg/l

**Carcinogenicity:**

CAS# 64-17-5

N/A

**RTECS#:**

**LD50/LC50:**

**CAS#** 67-56-1

Oral Rat LD50: 5628 mg/kg

Dermal Rabbit LD50 15800 mg/kg

LC50: Rat 64000 ppm 4 hours

**Carcinogenicity:**

CAS# 67-56-1

N/A

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 1 (Carcinogenic to humans.) by IARC [Formaldehyde]. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. [Formaldehyde]. Mutagenic for bacteria and/or yeast. [Formaldehyde]. Mutagenic for mammalian somatic cells. [Methyl alcohol]. Mutagenic for bacteria and/or yeast. [Methyl alcohol]. TERATOGENIC EFFECTS: Classified POSSIBLE for human [Methyl alcohol]. DEVELOPMENTAL TOXICITY: Not available May cause damage to the following organs: kidneys, liver, central nervous system (CNS).

Section 12 - Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

Products of Biodegradation: Possibly hazardous short/long term degradation products are to be expected. Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself. Special Remarks on the Products of Biodegradation: Not 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 wasted facility.

Section 14 – Transport Information

**DOT**

	US DOT	IATA	RID/ADR	IMO	Canada TDG
<b>Shipping Name:</b>	FLAMMABLE CORROSIVE , N.O.S.				No information available.
<b>Hazard Class:</b>	3,8				
<b>UN Number:</b>	UN2924				
<b>Packing Group:</b>	III				



## 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

WARNING: 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:

C

#### Risk Phrases:

- R10 Flammable
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed
- R36/38 Irritating to eyes and skin.
- R61 May cause harm to the unborn child

#### Safety Phrases:

- S20/21 When using do not eat, drink or smoke
- S2 Keep out of the reach of children.
- S 33 Take precautionary measures against static discharges.
- S 7 Keep container tightly closed.
- S 9 Keep container in a well-ventilated place
- S 24/25 Avoid Contact with skin and eyes
- S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S 37 Wear suitable gloves
- S 51 Use only in well-ventilated areas
- S 60 This material and its container must be disposed of hazardous waste

## Section 16 - Additional Information

**MSDS Creation Date:** 3/20/13

**Revision #1. 3/6/14 YM. Co-sign RC**

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