

# Bondol

## Safety Data Sheet

### Alpha

LABORATORIES, INC.

SDS REVISION DATE:

05/28/2015

#### 1. Identification of the substance / mixture and of the company / undertaking

##### 1.1 Product Identifier:

Product Identity:

Alpha

Alternate Names:

Preservative

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

Intended Use:

Arterial Embalming

Application Method:

See Technical Data Sheet

##### 1.3 Details Of The Supplier Of the Safety Data Sheet:

Company Name:

Bondol Laboratories, Inc.  
2313 "51<sup>st</sup>" Place  
Tuxedo, MD 20785

##### Emergency:

CHEMTREC (USA)

800-424-9300

Bondol Laboratories, Inc.  
(Customer Service)

800-635-7334

#### 2. Hazard Identification Of The Product

##### 2.1 Classification Of The Substance or Mixture:

Acute Tox: 4;H302

Harmful if swallowed

Acute Tox: 3;H311

Toxic in contact with skin

Acute Tox: 2;H330

Harmful if inhaled

Skin Corr: 1B;H314

Causes severe skin burns and eye damage

Eye Dam: 1;H318

Causes serious eye damage

Skin Sens: 1;H317

May cause an allergic skin reaction

Mutations: 2;H341

No known significant effects or critical hazard

Carc.: 1B;H350

May cause cancer

STOT SE 2;H371

May cause damage to organs

Aquatic Chronic: 1;H410

Very toxic to aquatic life with long lasting effects

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#### 2.2. Label Elements:

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows:



**DANGER**

|       |                                                      |
|-------|------------------------------------------------------|
| H226  | Flammable liquid and vapor                           |
| H302  | Harmful if swallowed                                 |
| H311  | Toxic in contact with skin                           |
| H314  | Causes Severe skin burns and eye damage              |
| H317  | May cause an allergic skin reaction                  |
| H318  | Causes serious eye damage                            |
| H330  | Harmful if inhaled                                   |
| H341  | Suspected of causing genetic defects                 |
| H350  | May cause cancer                                     |
| H371b | May cause damage to organs if inhaled or swallowed   |
| H371h | May cause damage to organs in contact with skin      |
| H440  | Very toxic to aquatic life with long-lasting effects |

#### **(PREVENTION):**

|      |                                                                          |
|------|--------------------------------------------------------------------------|
| P201 | Obtain special instructions before use                                   |
| P202 | Do not handle until all safety precautions have been read and understood |
| P210 | Keep away from heat / sparks / open flames / hot surfaces – NO SMOKING   |
| P241 | Use explosion-proof electrical / ventilation / light / equipment         |
| P261 | Avoid breathing dust / fume / gas / mist / vapors / spray                |
| P264 | Wash thoroughly after handling                                           |
| P270 | Do not eat, drink or smoke when using this product.                      |
| P271 | Use in a well-ventilated area; or use only outdoors                      |
| P272 | Contaminated work clothing should not be allowed out of the workplace    |
| P273 | Avoid release to the environment                                         |
| P280 | Wear protective gloves / eye protection / face protection                |
| P284 | Wear respiratory protection                                              |

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#### (RESPONSE):

|                  |                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| P301 + 330 + 331 | IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.                                                                                |
| P302 + 352       | IF ON SKIN: Wash with plenty of soap and water                                                                                    |
| P303 + 361 + 353 | IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower                     |
| P304 + 312       | IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell                                                         |
| P305 + 351 + 338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing |
| P308 + 313       | IF exposed or concerned: Get medical advice / attention                                                                           |
| P309 + 311       | If exposed or you feel unwell Call a POISON CENTER or doctor / physician                                                          |
| P310             | Immediately call a POISON CENTER or doctor / physician                                                                            |
| P320             | Special treatment is urgent (see information on this label)                                                                       |
| P333 + 313       | If skin irritation or a rash occurs: Get medical advice / attention                                                               |
| P340             | Remove victim to fresh air and keep at rest in a position comfortable for breathing                                               |
| P363             | Wash contaminated clothing before reuse                                                                                           |
| P370 + 378       | In case of fire: Use alcohol resistant foam, CO2, powder, water spray for extinction. Do not use water jet                        |
| P391             | Collect spillage                                                                                                                  |

#### (STORAGE):

|            |                                                                 |
|------------|-----------------------------------------------------------------|
| P402 + 233 | Store in a well ventilated place. Keep container tightly closed |
| P302 + 352 | IF ON SKIN: Wash with plenty of soap and water                  |

#### (DISPOSAL):

|      |                                                                                 |
|------|---------------------------------------------------------------------------------|
| P501 | Dispose of contents / container in accordance with local / national regulations |
|------|---------------------------------------------------------------------------------|

### 3. Composition / Information On Ingredients

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES THAT PRESENT A HAZARD WITHIN THE MEANING OF THE RELEVANT STATE AND FEDERAL HAZARDOUS SUBSTANCES REGULATIONS.

| INGREDIENTS / CHEMICAL DESIGNATIONS       | WEIGHT % | GHS CLASSIFICATION                                                                                                                      | NOTES   |
|-------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
| Formaldehyde<br>CAS Number: 000050-00-0   | 23 - 50  | Acute Tox. 3;H331<br>Acute Tox. 3;H311<br>Acute Tox. 3;H301<br>Carc. 1B;H350<br>Muta. 2;H341<br>Skin Corr. 1B;H314<br>Skin Sens. 1;H317 | (1) (2) |
| Methyl Alcohol<br>CAS Number: 000067-56-1 | 1.0 - 10 | Flam. Liq. 2;H225<br>Acute Tox. 3;H331<br>Acute Tox. 3;H311<br>Acute Tox. 3;H301<br>STOT SE 1;H370                                      | (1) (2) |

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#### NOTES:

[ 1 ] Substance classified with a health or environmental hazard

[ 2 ] Substance with a workplace exposure limit

THE FULL TEXTS OF THE PHRASES ARE SHOWN IN SECTION 16.

#### 4. First Aid Measures

##### 4.1. Description of first aid measures:

#### GENERAL INHALATION EYES, SKIN INGESTION

|                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MOVE VICTIM TO FRESH AIR                                                                                                                                                                                                                                                                                                                                                        |
| CALL 911 OR EMERGENCY MEDICAL SERVICE IF DEEMED NECESSARY                                                                                                                                                                                                                                                                                                                       |
| GIVE ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING                                                                                                                                                                                                                                                                                                                          |
| DO NOT USE "MOUTH-TO-MOUTH" METHOD IF VICTIM INGESTED OR INHALED THE SUBSTANCE; GIVE ARTIFICIAL RESPIRATION WITH AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR THEIR PROPER RESPIRATORY MEDICAL DEVICE.                                                                                                                                                                 |
| ADMINISTER OXYGEN IF BREATHING IS DIFFICULT                                                                                                                                                                                                                                                                                                                                     |
| REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES                                                                                                                                                                                                                                                                                                                              |
| IN CASE OF CONTACT WITH SUBSTANCE, IMMEDIATELY FLUSH SKIN OR EYES WITH RUNNING WATER FOR AT LEAST 20 MINUTES.                                                                                                                                                                                                                                                                   |
| IN CASE OF BURNS, IMMEDIATELY COOL AFFECTED SKIN FOR AS LONG AS POSSIBLE WITH COLD WATER. DO NOT REMOVE CLOTHING IF ADHERING TO SKIN.                                                                                                                                                                                                                                           |
| KEEP VICTIM WARM AND QUIET                                                                                                                                                                                                                                                                                                                                                      |
| EFFECTS OF EXPOSURE (INHALATION, INGESTION OR SKIN CONTACT) TO SUBSTANCE MAY BE DELAYED. ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED AND TAKE PRECAUTIONS TO PROTECT THEMSELVES.                                                                                                                                                                        |
| MOVE VICTIM(S) TO FRESH AIR. CALL EMERGENCY MEDICAL CARE. APPLY ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. DO NOT USE "MOUTH-TO-MOUTH" METHOD IF VICTIM INGESTED OR INHALED THE SUBSTANCE; GIVE ARTIFICIAL RESPIRATION WITH AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR THEIR PROPER RESPIRATORY MEDICAL DEVICE. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. |
| IRRIGATE COPIOUSLY WITH CLEAN FRESH WATER FOR AT LEAST 15 MINUTES, HOLDING THE EYELIDS APART AND SEEK MEDICAL ATTENTION.                                                                                                                                                                                                                                                        |
| REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES. IN CASE OF CONTACT WITH SUBSTANCE, IMMEDIATELY FLUSH SKIN OR EYES WITH RUNNING WATER FOR AT LEAST 20 MINUTES. SHOWER AND WASH WITH SOAP AND WATER. KEEP VICTIM WARM AND QUIET.                                                                                                                                              |
| IF ACCIDENTALLY SWALLOWED OBTAIN IMMEDIATE MEDICAL ATTENTION. KEEP AT REST. DO NOT INDUCE VOMITING.                                                                                                                                                                                                                                                                             |

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#### 4.2. Most important symptoms and effects, both acute and delayed:

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OVERVIEW:   | Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Reproductive or genetic defect hazard. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.<br><br>Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details. |
| INHALATION: | Fatal if inhaled. May cause damage to organs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| EYES:       | Causes serious eye damage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SKIN:       | Toxic in contact with skin. May cause an allergic skin reaction. Causes severe skin burns and eye damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| INGESTION:  | Harmful if swallowed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## 5. Fire-fighting Measures

#### 5.1. Extinguishing Media:

Dry chemical, foam, carbon dioxide and water fog

#### 5.2. Special hazards arising from the substance or mixture:

|   |                                                                                                                                                                                              |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - | May form formaldehyde gas, carbon oxides, hydrogen, formic acid and various hydrocarbons. Incomplete combustion may also produce irritating smoke and toxic and/or irritating gases or fumes |
| - | Obtain special instructions before use                                                                                                                                                       |
| - | Do not handle until all safety precautions have been read and understood                                                                                                                     |
| - | Keep away from heat / sparks / open flames / hot surfaces – No smoking                                                                                                                       |
| - | Avoid breathing dust / fume / gas / mist / vapors / spray                                                                                                                                    |
| - |                                                                                                                                                                                              |

#### 5.3. Advice For Fire-Fighters:

|   |                                                                                                                                                                                               |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - | Wear positive pressure self-contained breathing apparatus (SCBA)                                                                                                                              |
| - | Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection                                                        |
| - | Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible |
| - | Flammable/combustible material                                                                                                                                                                |
| - |                                                                                                                                                                                               |

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#### 5.3. Advice For Fire-Fighters (Con't):

|   |                                                                                                                                 |
|---|---------------------------------------------------------------------------------------------------------------------------------|
| ( | Many liquids are lighter than water                                                                                             |
| - | Runoff from fire control or dilution water may cause pollution                                                                  |
| - | Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) |
|   | Vapors may cause dizziness or suffocation                                                                                       |
| - | Fire will produce irritating, corrosive and/or toxic gases                                                                      |
| - | Contact with substance may cause severe burns to skin and eyes                                                                  |
| - | May cause toxic effects if inhaled or ingested/swallowed                                                                        |

ERG Guide No. 132

## 6. Accidental Release Measures

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures:

Water spray may reduce vapor; but may not prevent ignition in closed spaces

#### 6.2. Environmental Precautions:

Do not allow spills to enter drains or water courses

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### 6.3. Method and Material for containment and clean up:

Vapor is heavier than air and may flow along surface to distant ignition and source and flashback

CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper is not available or there is no answer, refer to appropriate telephone number listed on the inside back cover.

As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away

Stay upwind

Keep out of low areas

Ventilate closed spaces before entering

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## 7. Handling and Storage

### 7.1. Precautions For Safe Handling:

See Section 2 for further details - [Prevention]

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities:

Handle containers carefully to prevent damage and spillage

Incompatible Materials: Avoid contact with strong oxidizers, strong alkalies, strong mineral acids, phenol and urea.

See section 2 for further details – [Storage]

## 8. Exposure Controls and Personal Protection

### 8.1. Control Parameters:

#### Exposure

| Cas No.     | Ingestion      | Source   | Value                                                                              |
|-------------|----------------|----------|------------------------------------------------------------------------------------|
| 000050-00-0 | Formaldehyde   | OSHA     | TWA 0.75 ppm STEL. 2ppm                                                            |
|             |                | ACHIH    | TWA: 0.3 ppm Ceiling: 1 ppm S, A2, 1                                               |
|             |                | NIOSH    | Ca TWA 0.016 ppm C 0.1 ppm [15-minute]                                             |
|             |                | Supplier | No Established Limit                                                               |
| 000067-56-1 | Methyl Alcohol | OSHA     | TWA 200 ppm (260 mg/m <sup>3</sup> )                                               |
|             |                | ACHIH    | TWA: 200 ppm STEL: 250 ppm Skin                                                    |
|             |                | NIOSH    | TWA 200 ppm (260 mg/m <sup>3</sup> ) ST 250 ppm<br>(325 mg/m <sup>3</sup> ) [skin] |
|             |                | Supplier | No Established Limit                                                               |

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#### 8.1. Control Parameters (Con't):

##### Carcinogen Data

| Cas No.     | Ingestion      | Source | Value                                                               |
|-------------|----------------|--------|---------------------------------------------------------------------|
| 000050-00-0 | Formaldehyde   | OSHA   | Select Carcinogen: Yes                                              |
|             |                | NTP    | Known: Yes; Suspected: Yes                                          |
|             |                | IARC   | Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 000067-56-1 | Methyl Alcohol | OSHA   | Select Carcinogen: No                                               |
|             |                | NTP    | Known: No; Suspected: No                                            |
|             |                | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;  |

#### 8.2. Exposure Controls:

|                       |                                                                                                                                                                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory:          | Not necessary where area is properly ventilated                                                                                                                                                                                                                                                                              |
| Eyes:                 | Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids                                                                                                                                                                                                                      |
| Skin:                 | Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact. Wear PVC or rubber gloves                                                                                                                                                     |
| Engineering Controls: | Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn |
| Other Work Practices: | Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.                                                                                                                                                          |

See section 2 for further details – [Prevention]:

## 9. Physical and Chemical Properties

|                                             |                                            |
|---------------------------------------------|--------------------------------------------|
| Appearance:                                 | Clear, slightly viscous, orange-red Liquid |
| Odor:                                       | Pungent / Pinching odor                    |
| Order Threshold:                            | Not Measured                               |
| pH:                                         | 8.0 – 9.2                                  |
| Melting Point / Freezing Point (°C):        | N/A                                        |
| Initial Boiling Point & Boiling Range (°C): | 65.5 - 100°C (150 - 212°F)                 |
| Flash Point:                                | 48.3°C (350°F)                             |
| Evaporation Rate (Ether = 1):               | < 1 (n-Butyl acetate = 1)                  |

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#### 9. Physical and Chemical Properties (Con't):

|                                                  |                                                         |
|--------------------------------------------------|---------------------------------------------------------|
| Flammability (solid, gas):                       | Not Applicable                                          |
| Upper/lower flammability or explosive limits:    | Lower Explosive Limit: 7%<br>Upper Explosive Limit: 10% |
| Vapor Pressure (Pa):                             | 145 – 155 mm Hg                                         |
| Vapor Density:                                   | Greater than 1+                                         |
| Solubility In Water:                             | Complete                                                |
| Partition coefficient n=octanol/water (Log Kow): | Not Measured                                            |
| Auto-ignition Temperature (°C):                  | Not Measured                                            |
| Decomposition temperature:                       | Not Measured                                            |
| Viscosity (cSt):                                 | Not Measured                                            |
| VOC %:                                           | 97%                                                     |

#### 9.2 Other Information:

No other relevant information

## 10. Stability and Reactivity

#### 10.1. Reactivity:

Hazardous Polymerization will not occur

#### 10.2. Chemical Stability:

Stable under the recommended storage and handling conditions prescribed. At higher temperatures, product may form formic acid and methanol

#### 10.3. Possibility Of Hazardous Reactions:

No data available

#### 10.4. Conditions To Avoid:

Avoid heat and open flame. Exposure to cold may cause precipitation of the polymer; will redissolve upon gentle heating.

#### 10.5. Incompatible Materials:

Avoid contact with strong oxidizers, strong alkalies, strong mineral acids, phenol and urea.

#### 10.6. Hazardous Decomposition Products:

May form formaldehyde gas, carbon oxides, hydrogen, formic acid and various hydrocarbons. Incomplete combustion may also produce irritating smoke and toxic and/or irritating gases or fumes.

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#### 11. Toxicological Information

##### ACUTE TOXICITY:

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

| Ingredient               | Oral LD50,<br>mg/kg            | Skin LD50,<br>mg/kg                 | Inhalation<br>Vapor LD50,<br>mg/L/4hr | Inhalation<br>Dust/Mist LD50,<br>mg/L 4hr | Inhalation<br>Gas LD50,<br>ppm |
|--------------------------|--------------------------------|-------------------------------------|---------------------------------------|-------------------------------------------|--------------------------------|
| Formaldehyde – (50-00-0) | 800.00 Rat -<br>Category: 4    | 270.00, Rabbit -<br>Category: 3     | 0.578, Rat -<br>Category: 2           | No Data<br>Available                      | 168.00 Rat -<br>Category: N/A  |
| Methanol - (67-56-1)     | 143.00, Human<br>– Category: 3 | 15,800.00, Rabbit<br>– Category: NA | 128.00, Rat -<br>Category: NA         | No Data<br>Available                      | 64,000.00 Rat -<br>Category NA |

| Item                                                           | Category | Hazard                                    |
|----------------------------------------------------------------|----------|-------------------------------------------|
| Acute Toxicity (mouth)                                         | 4        | Harmful if swallowed                      |
| Acute Toxicity (skin)                                          | 3        | Toxic in contact with skin                |
| Acute Toxicity (inhalation)                                    | 2        | Fatal if inhaled                          |
| Skin Corrosion / Irritation                                    | 1B       | Causes severe skin burns<br>and eye damae |
| Eye Damage / Irritation                                        | 1        | Causes serious eye damage                 |
| Sensitization (respiratory)                                    | - - -    | Not Applicable                            |
| Sensitization (skin)                                           | 1        | May cause an allergic skin<br>reaction    |
| Germ Toxicity                                                  | 2        | Suspected of causing genetic<br>defects   |
| Carcinogenicity                                                | 1B       | May cause cancer                          |
| Reproductive Toxicity                                          | - - -    | Not applicable                            |
| Specific Target Organ Systemic Toxicity<br>(single exposure)   | 2        | May cause damage to<br>organs             |
| Specific Target Organ Systemic Toxicity<br>(repeated exposure) | - - -    | Not applicable                            |
| Aspiration Hazzard                                             | - - -    | Not applicable                            |

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## 12. Ecological Information

### 12.1. Toxicity:

Very toxic to aquatic life with long lasting effects.

### Aquatic Ecotoxicity

| Ingredient                 | 96 hr LC50 fish,<br>mg/l       | 48 hr EC50<br>crustacea, mg/l | ErC50 algae,<br>mg/l            |
|----------------------------|--------------------------------|-------------------------------|---------------------------------|
| Formaldehyde – (50-00-0)   | 1.41 Oncorhynchus<br>mykiss    | 5.80 Daphnia pulex            | 0.788 (96 hr), Ulva<br>pertusa  |
| Methyl Alcohol – (67-56-1) | 100.00, Pimephales<br>promelas | 10,000.00 Daphnia<br>magna    | 16.912 (96 hr),<br>Ulva pertusa |

### 12.2. Persistence and Degradability:

There is no data available on the preparation itself

### 12.3. Bioaccumulative Potential:

Not Measured

### 12.4. Mobility In Soil:

No data available

### 12.5. Results of PBT and vPvB assessment:

This product contains no PBT/vPvB chemicals

### 12.6. Other Adverse Effects:

No data available

### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods:

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

### 14. Transport Information

|      |                                              |                                   |                                          |                                   |
|------|----------------------------------------------|-----------------------------------|------------------------------------------|-----------------------------------|
| 14.1 | UN Number                                    | UN1198                            |                                          |                                   |
| 14.2 | UN Proper Shipping Name                      | Formaldehyde solutions, flammable |                                          |                                   |
| 14.3 | <u>Transport Hazard Class(es)</u>            |                                   |                                          |                                   |
|      | <u>DOT (Domestic Surface Transportation)</u> |                                   | <u>IMO / IMOG (Ocean Transportation)</u> |                                   |
|      | DOT Proper Shipping Name                     | Formaldehyde solutions, flammable | IMDG Proper Shipping Name                | Formaldehyde solutions, flammable |
|      | DOT Hazard Class                             | 3                                 | IMDG Hazard Class                        | 3                                 |
|      | DOT Label                                    | 3, 8                              | Sub Class                                | Not Applicable                    |
|      | UN/NA Number                                 | UN1198                            |                                          |                                   |
|      | DOT Packing Group                            | III                               | IMDG Packing Group                       | III                               |
|      | CERCLA/DOT RQ                                | 37 Gal. / 309 lbs.                |                                          |                                   |

|      |                                                                         |                                      |  |
|------|-------------------------------------------------------------------------|--------------------------------------|--|
| 14.4 | Packing Group                                                           | III                                  |  |
| 14.5 | Environmental Hazards IMDG                                              | Marine Pollutant: Yes (Formaldehyde) |  |
| 14.6 | Special Precautions For Users                                           | Not Applicable                       |  |
| 14.7 | Transport In Bulk According To Annex II of MARPOL73/78 and the IBC Code | Not Applicable                       |  |

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#### 15. Regulatory Information

|                         |                                                                                                                                                                                                                                                                         |     |  |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
| Regulatory Overview:    | The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA inventory |     |  |
| WHMIS Classification:   | D2A E                                                                                                                                                                                                                                                                   |     |  |
| US EPA Tier II Hazards: | Fire:                                                                                                                                                                                                                                                                   | No  |  |
|                         | Sudden Release Of Pressure:                                                                                                                                                                                                                                             | No  |  |
|                         | Reactive:                                                                                                                                                                                                                                                               | No  |  |
|                         | Not Defined:                                                                                                                                                                                                                                                            | Yes |  |
|                         | Delayed (Chronic):                                                                                                                                                                                                                                                      | Yes |  |

#### EPCRA 311/312 Chemicals and RQs (lbs):

Formaldehyde (100.00)

Methanol (5,000.00)

#### EPCRA 302 Extremely Hazardous:

Formaldehyde

#### EPCRA 313 Toxic Chemicals:

Formaldehyde

Methanol

#### Proposition 65 – Carcinogens (>0.0%):

Formaldehyde

#### Proposition 65 – Developmental Toxins (>0.0%):

(No Product Ingredients Listed)

#### Proposition 65 – Female Repro Toxins (>0.0%):

(No Product Ingredients Listed)

#### Proposition 65 – Male Repro Toxins (>0.0%):

(No Product Ingredients Listed)

#### N.J. RTK Substances (>1%):

Formaldehyde

Methanol

#### Penn. RTK Substances (>1%):

Formaldehyde

Methanol

#### 16. Other Information

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The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H330 Harmful if inhaled.

H331 Toxic if inhaled.

H350 May cause cancer.

H370 Causes damage to organs.

H400 Very toxic to aquatic life.

This is the first revision of this SDS format, changes from previous revision not applicable.

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