



# Fisher Scientific

Part of Thermo Fisher Scientific

## SAFETY DATA SHEET

Revision Date 20-Aug-2015

Revision Number 2

### 1. Identification

**Product Name** Fisher Bio-Fresh Preserved Specimens

**Cat No. :** S0002S S0092S S0182S S0184S S07053 S1004S S1006S S1012S  
S1014S S1020S S1022S S1030S S1035S S1036S S1062S S1066S  
S1090S S1126S S1185S S1202S S1207S S1214S S1224S S1282S  
S1320S S1360S S1452S S1456S S1476S S1494S S1494S10 S1499S  
S1500S S1501 S1502 S1503S S1504 S1505 S1508 S1509S S1510S  
S1711S S1715S S1722S S2022S S2195S S2206S S2303S S2400S  
S2400S10 S2401 S2402 S2402VS S2403S S2403S10 S2404S S2470S  
S2500S S2502 S2505S S2528S S3002 S3056S S3062S S3072S S3080S  
S3088S S3093S S3094S S3115S S4001 S4002 S400210 S4002100  
S400250S S4003 S5001 S5001P S5002 S5002P S5105 S5110S S5111S  
S5112S S5113 S5114 S5115 S5116 S5117S S5118 S5125S S5126S  
S5127S S5128S S5129S S5130S S5130S S65076 S65080 S65082  
S8202S S8203S S8207S S9001 S9002 S900210 S9002100 S900250  
S9003S S9004 S9201 S9202 S9203 S920310 S9203100 S920350  
S9204S S9205S S9207S S9208 S9210 S9216S S9218S S9222 S9224S  
S9226S S9228 S9253 S9254 S9255 S9257S S9277S S97166 NC0340952  
NC0918589

**Synonyms** No information available

**Recommended Use** Laboratory chemicals.

**Uses advised against** No Information available

**Details of the supplier of the safety data sheet**

**Company**  
Fisher Scientific  
One Reagent Lane  
Fair Lawn, NJ 07410  
Tel: (201) 796-7100

**Emergency Telephone Number**  
CHEMTREC®, Inside the USA: 800-424-9300  
CHEMTREC®, Outside the USA: 001-703-527-3887

### 2. Hazard(s) identification

#### Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|   |            |
|---|------------|
| Acute oral toxicity                         | Category 4 |
| Acute dermal toxicity                       | Category 4 |
| Acute Inhalation Toxicity - Dusts and Mists | Category 4 |

|                                   |             |
|-----------------------------------|-------------|
| Skin Corrosion/irritation         | Category 2  |
| Serious Eye Damage/Eye Irritation | Category 2  |
| Skin Sensitization                | Category 1  |
| Carcinogenicity                   | Category 1A |

**Label Elements**

**Signal Word**

Danger

**Hazard Statements**

- Harmful if swallowed
- Harmful in contact with skin
- Harmful if inhaled
- Causes eye irritation
- Causes skin irritation
- May cause an allergic skin reaction
- May cause cancer



**Prevention**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Do not eat, drink or smoke when using this product
- Wear protective gloves/protective clothing/eye protection/face protection
- Use only outdoors or in a well-ventilated area
- Wash face, hands and any exposed skin thoroughly after handling
- Do not breathe dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace

**Response**

IF exposed or concerned: Get medical attention/advice

**Inhalation**

Call a POISON CENTER or doctor/physician if you feel unwell  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Skin**

Call a POISON CENTER or doctor/physician if you feel unwell  
 Take off contaminated clothing and wash before reuse  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 If skin irritation or rash occurs: Get medical advice/attention

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention

**Ingestion**

Rinse mouth  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

**Hazards not otherwise classified (HNOC)**

None identified

3. Composition / information on ingredients

| Component | CAS-No | Weight % |
|-----------|--------|----------|
|-----------|--------|----------|

|                                  |           |         |
|----------------------------------|-----------|---------|
| Water                            | 7732-18-5 | balance |
| 1,2-Propylene glycol             | 57-55-6   | <10     |
| Ethylene glycol monophenyl ether | 122-99-6  | <2      |
| Formaldehyde                     | 50-00-0   | 0.1-0.7 |
| Phenol                           | 108-95-2  | <0.06   |
| Methyl alcohol                   | 67-56-1   | <0.04   |

#### 4. First-aid measures

|   |  |
|---|--|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention. |
| <b>Skin Contact</b>   | Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.                       |
| <b>Inhalation</b>   | Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.                               |
| <b>Ingestion</b>  | Do not induce vomiting. Obtain medical attention.  |
| <b>Most important symptoms/effects<br/>Notes to Physician</b> | No information available.<br>Treat symptomatically   |

#### 5. Fire-fighting measures

|   |   |
|---|---|
| <b>Suitable Extinguishing Media</b>   | Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Foam. |
| <b>Unsuitable Extinguishing Media</b>                                       | No information available  |
| <b>Flash Point<br/>Method -</b>   | Not applicable<br>No information available                          |
| <b>Autoignition Temperature<br/>Explosion Limits</b>                        | No information available  |
| <b>Upper<br/>Lower</b>  | No data available<br>No data available                              |
| <b>Sensitivity to Mechanical Impact<br/>Sensitivity to Static Discharge</b> | No information available<br>No information available                |

#### Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

#### Hazardous Combustion Products

Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>)

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### NFPA

|               |                     |                    |                         |
|---------------|---------------------|--------------------|-------------------------|
| <b>Health</b> | <b>Flammability</b> | <b>Instability</b> | <b>Physical hazards</b> |
| 2             | 1                   | 0                  | N/A                     |

#### 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal Precautions</b>              | Use personal protective equipment. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. |
| <b>Environmental Precautions</b>         | Should not be released into the environment. See Section 12 for additional ecological information.  |
| <b>Methods for Containment and Clean</b> | Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.  |

Up

## 7. Handling and storage

**Handling** Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Do not breathe vapors or spray mist. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls / personal protection

### Exposure Guidelines

| Component      | ACGIH TLV                             | OSHA PEL   | NIOSH IDLH   |
|----------------|---------------------------------------|--|--|
| Formaldehyde   | Ceiling: 0.3 ppm                      | (Vacated) TWA: 3 ppm<br>(Vacated) STEL: 10 ppm<br>(Vacated) Ceiling: 5 ppm<br>TWA: 0.75 ppm<br>STEL: 2 ppm   | IDLH: 20 ppm<br>TWA: 0.016 ppm<br>Ceiling: 0.1 ppm   |
| Phenol         | TWA: 5 ppm<br>Skin                    | (Vacated) TWA: 5 ppm<br>(Vacated) TWA: 19 mg/m <sup>3</sup><br>Skin<br>TWA: 5 ppm<br>TWA: 19 mg/m <sup>3</sup>   | IDLH: 250 ppm<br>TWA: 5 ppm<br>TWA: 19 mg/m <sup>3</sup><br>Ceiling: 15.6 ppm<br>Ceiling: 60 mg/m <sup>3</sup> |
| Methyl alcohol | TWA: 200 ppm<br>STEL: 250 ppm<br>Skin | (Vacated) TWA: 200 ppm<br>(Vacated) TWA: 260 mg/m <sup>3</sup><br>(Vacated) STEL: 250 ppm<br>(Vacated) STEL: 325 mg/m <sup>3</sup><br>Skin<br>TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup> | IDLH: 6000 ppm<br>TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 325 mg/m <sup>3</sup>   |

| Component                        | Quebec   | Mexico OEL (TWA)   | Ontario TWAEV  |
|----------------------------------|--|--|--|
| 1,2-Propylene glycol             |  |  | TWA: 10 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 155 mg/m <sup>3</sup> |
| Ethylene glycol monophenyl ether |  |  | TWA: 25 ppm<br>TWA: 141 mg/m <sup>3</sup><br>Skin                      |
| Formaldehyde                     | Ceiling: 2 ppm<br>Ceiling: 3 mg/m <sup>3</sup>   | Ceiling: 2 ppm<br>Ceiling: 3 mg/m <sup>3</sup>   | STEL: 1.0 ppm<br>CEV: 1.5 ppm  |
| Phenol                           | TWA: 5 ppm<br>TWA: 19 mg/m <sup>3</sup><br>Skin  | TWA: 5 ppm<br>TWA: 19 mg/m <sup>3</sup><br>STEL: 10 ppm<br>STEL: 38 mg/m <sup>3</sup>      | TWA: 5 ppm<br>Skin   |
| Methyl alcohol                   | TWA: 200 ppm<br>TWA: 262 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 328 mg/m <sup>3</sup><br>Skin | TWA: 200 ppm<br>TWA: 260 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 310 mg/m <sup>3</sup> | TWA: 200 ppm<br>STEL: 250 ppm<br>Skin                                  |

*Legend*

NIOSH IDLH: *The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health*

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal Protective Equipment

#### Eye/face Protection

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.

|                                 |   |
|---------------------------------|---|
| <b>Skin and body protection</b> | Wear appropriate protective gloves and clothing to prevent skin exposure.   |
| <b>Respiratory Protection</b>   | Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. |
| <b>Hygiene Measures</b>         | Handle in accordance with good industrial hygiene and safety practice.  |

## 9. Physical and chemical properties

|   |                          |
|---|--------------------------|
| <b>Physical State</b>                         | Solid containing liquid. |
| <b>Appearance</b>                             | Colorless Liquid         |
| <b>Odor</b>                                   | mild pungent             |
| <b>Odor Threshold</b>                         | No information available |
| <b>pH</b>                                     | No information available |
| <b>Melting Point/Range</b>                    | No data available        |
| <b>Boiling Point/Range</b>                    | Not applicable           |
| <b>Flash Point</b>                            | Not applicable           |
| <b>Evaporation Rate</b>                       | No information available |
| <b>Flammability (solid,gas)</b>               | No information available |
| <b>Flammability or explosive limits</b>       |                          |
| <b>Upper</b>                                  | No data available        |
| <b>Lower</b>                                  | No data available        |
| <b>Vapor Pressure</b>                         | No information available |
| <b>Vapor Density</b>                          | No information available |
| <b>Specific Gravity</b>                       | No information available |
| <b>Solubility</b>                             | No information available |
| <b>Partition coefficient; n-octanol/water</b> | No data available        |
| <b>Autoignition Temperature</b>               | No information available |
| <b>Decomposition Temperature</b>              | No information available |
| <b>Viscosity</b>                              | No information available |
| <b>VOC Content(%)</b>                         | 10.68                    |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactive Hazard</b>                  | None known, based on information available              |
| <b>Stability</b>                        | Stable.   |
| <b>Conditions to Avoid</b>              | Incompatible products.                                  |
| <b>Incompatible Materials</b>           | Strong oxidizing agents                                 |
| <b>Hazardous Decomposition Products</b> | Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ) |
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur.                |
| <b>Hazardous Reactions</b>              | None under normal processing.                           |

## 11. Toxicological information

### Acute Toxicity

#### Component Information

| Component                        | LD50 Oral                 | LD50 Dermal                   | LC50 Inhalation |
|----------------------------------|---------------------------|-------------------------------|-----------------|
| Water                            | LD50 > 90 mL/kg ( Rat )   | Not listed                    | Not listed      |
| 1,2-Propylene glycol             | LD50 = 20 g/kg ( Rat )    | LD50 = 20800 mg/kg ( Rabbit ) | Not listed      |
| Ethylene glycol monophenyl ether | LD50 = 1260 mg/kg ( Rat ) | LD50 = 5 mL/kg ( Rabbit )     | Not listed      |

|                |  |                               |  |
|----------------|--|-------------------------------|--|
| Formaldehyde   | 500 mg/kg ( Rat )                                    | LD50 = 270 mg/kg ( Rabbit )   | 0.578 mg/L ( Rat ) 4 h                         |
| Phenol         | LD50 = 340 mg/kg ( Rat )<br>LD50 = 317 mg/kg ( Rat ) | LD50 = 630 mg/kg ( Rabbit )   | LC50 = 316 mg/m <sup>3</sup> ( Rat ) 4 h       |
| Methyl alcohol | LD50 = 6200 mg/kg ( Rat )                            | LD50 = 15800 mg/kg ( Rabbit ) | 64000 ppm ( Rat ) 4 h<br>83.2 mg/L ( Rat ) 4 h |

**Toxicologically Synergistic Products** No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Irritation** Irritating to eyes and skin May cause irritation of respiratory tract

**Sensitization** May cause sensitization by skin contact

**Carcinogenicity** This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

| Component                        | CAS-No    | IARC       | NTP        | ACGIH      | OSHA       | Mexico     |
|----------------------------------|-----------|------------|------------|------------|------------|------------|
| Water                            | 7732-18-5 | Not listed | Not listed | Not listed | Not listed | Not listed |
| 1,2-Propylene glycol             | 57-55-6   | Not listed | Not listed | Not listed | Not listed | Not listed |
| Ethylene glycol monophenyl ether | 122-99-6  | Not listed | Not listed | Not listed | Not listed | Not listed |
| Formaldehyde                     | 50-00-0   | Group 1    | Known      | A2         | X          | A2         |
| Phenol                           | 108-95-2  | Not listed | Not listed | Not listed | Not listed | Not listed |
| Methyl alcohol                   | 67-56-1   | Not listed | Not listed | Not listed | Not listed | Not listed |

*IARC: (International Agency for Research on Cancer)*

*NTP: (National Toxicity Program)*

*ACGIH: (American Conference of Governmental Industrial Hygienists)*

*Mexico - Occupational Exposure Limits - Carcinogens*

*IARC: (International Agency for Research on Cancer)*

*Group 1 - Carcinogenic to Humans*

*Group 2A - Probably Carcinogenic to Humans*

*Group 2B - Possibly Carcinogenic to Humans*

*NTP: (National Toxicity Program)*

*Known - Known Carcinogen*

*Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen*

*A1 - Known Human Carcinogen*

*A2 - Suspected Human Carcinogen*

*A3 - Animal Carcinogen*

*ACGIH: (American Conference of Governmental Industrial Hygienists)*

*Mexico - Occupational Exposure Limits - Carcinogens*

*A1 - Confirmed Human Carcinogen*

*A2 - Suspected Human Carcinogen*

*A3 - Confirmed Animal Carcinogen*

*A4 - Not Classifiable as a Human Carcinogen*

*A5 - Not Suspected as a Human Carcinogen*

**Mutagenic Effects** No information available

**Reproductive Effects** No information available.

**Developmental Effects** No information available.

**Teratogenicity** No information available.

**STOT - single exposure** None known

**STOT - repeated exposure** None known

**Aspiration hazard** No information available

**Symptoms / effects, both acute and delayed** No information available

**Endocrine Disruptor Information** No information available

**Other Adverse Effects** The toxicological properties have not been fully investigated.

## 12. Ecological information

### Ecotoxicity

Do not empty into drains.

| Component                        | Freshwater Algae  | Freshwater Fish   | Microtox   | Water Flea  |
|----------------------------------|---|---|--|---|
| 1,2-Propylene glycol             | EC50: = 19000 mg/L, 96h<br>(Pseudokirchneriella subcapitata)  | LC50: = 710 mg/L, 96h<br>(Pimephales promelas)<br>LC50: = 51400 mg/L, 96h<br>static (Pimephales promelas)<br>LC50: 41 - 47 mL/L, 96h<br>static (Oncorhynchus mykiss)<br>LC50: = 51600 mg/L, 96h<br>static (Oncorhynchus mykiss) | = 710 mg/L EC50<br>Photobacterium phosphoreum 30 min   | EC50: > 10000 mg/L, 24h<br>(Daphnia magna)<br>EC50: > 1000 mg/L, 48h<br>Static (Daphnia magna)          |
| Ethylene glycol monophenyl ether | EC50: > 500 mg/L, 72h<br>(Desmodesmus subspicatus)  | LC50: 220 - 460 mg/L, 96h<br>static (Leuciscus idus)<br>LC50: = 366 mg/L, 96h static<br>(Pimephales promelas)<br>LC50: 337 - 352 mg/L, 96h<br>flow-through (Pimephales promelas)  | EC50 = 32.4 mg/L 5 min<br>EC50 = 880 mg/L 17 h   | EC50: > 500 mg/L, 48h<br>(Daphnia magna)  |
| Formaldehyde                     | Not listed  | Leuciscus idus: LC50 = 15<br>mg/L 96h   | Not listed   | EC50 = 20 mg/L 96h<br>EC50 = 2 mg/L 48h   |
| Phenol                           | EC50: 187 - 279 mg/L, 72h<br>static (Desmodesmus subspicatus)<br>EC50: 0.0188 - 0.1044<br>mg/L, 96h static<br>(Pseudokirchneriella subcapitata)<br>EC50: = 46.42 mg/L, 96h<br>(Pseudokirchneriella subcapitata) | 4-7 mg/L LC50 96 h<br>32 mg/L LC50 96 h   | EC50 21 - 36 mg/L 30 min<br>EC50 = 23.28 mg/L 5 min<br>EC50 = 25.61 mg/L 15 min<br>EC50 = 28.8 mg/L 5 min<br>EC50 = 31.6 mg/L 15 min | EC50: 10.2 - 15.5 mg/L, 48h<br>(Daphnia magna)<br>EC50: 4.24 - 10.7 mg/L, 48h<br>Static (Daphnia magna) |
| Methyl alcohol                   | Not listed  | Pimephales promelas: LC50<br>> 10000 mg/L 96h   | EC50 = 39000 mg/L 25 min<br>EC50 = 40000 mg/L 15 min<br>EC50 = 43000 mg/L 5 min  | EC50 > 10000 mg/L 24h   |

**Persistence and Degradability** No information available

**Bioaccumulation/ Accumulation** No information available.

**Mobility** No information available.

| Component                        | log Pow |
|----------------------------------|---------|
| 1,2-Propylene glycol             | -0.9    |
| Ethylene glycol monophenyl ether | 1.13    |
| Formaldehyde                     | -0.35   |
| Phenol                           | 1.47    |
| Methyl alcohol                   | -0.74   |

## 13. Disposal considerations

**Waste Disposal Methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

| Component                | RCRA - U Series Wastes | RCRA - P Series Wastes |
|--------------------------|------------------------|------------------------|
| Formaldehyde - 50-00-0   | U122                   | -                      |
| Phenol - 108-95-2        | U188                   | -                      |
| Methyl alcohol - 67-56-1 | U154                   | -                      |

### 14. Transport information

|                 |               |
|-----------------|---------------|
| <b>DOT</b>      | Not regulated |
| <b>TDG</b>      | Not regulated |
| <b>IATA</b>     | Not regulated |
| <b>IMDG/IMO</b> | Not regulated |

### 15. Regulatory information

**All of the components in the product are on the following Inventory lists:** Australia X = listed China Canada The product is classified and labeled according to EC directives or corresponding national laws The product is classified and labeled in accordance with Directive 1999/45/EC Europe TSCA Korea Philippines

#### International Inventories

| Component                        | TSCA | DSL | NDSL | EINECS    | ELINCS | NLP | PICCS | ENCS | AICS | IECSC | KECL |
|----------------------------------|------|-----|------|-----------|--------|-----|-------|------|------|-------|------|
| Water                            | X    | X   | -    | 231-791-2 | -      |     | X     | -    | X    | X     | X    |
| 1,2-Propylene glycol             | X    | X   | -    | 200-338-0 | -      |     | X     | X    | X    | X     | X    |
| Ethylene glycol monophenyl ether | X    | X   | -    | 204-589-7 | -      |     | X     | X    | X    | X     | X    |
| Formaldehyde                     | X    | X   | -    | 200-001-8 | -      |     | X     | X    | X    | X     | X    |
| Phenol                           | X    | X   | -    | 203-632-7 | -      |     | X     | X    | X    | X     | X    |
| Methyl alcohol                   | X    | X   | -    | 200-659-6 | -      |     | X     | X    | X    | X     | X    |

#### Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

#### U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313 Not applicable

| Component                        | CAS-No   | Weight % | SARA 313 - Threshold Values % |
|----------------------------------|----------|----------|-------------------------------|
| Ethylene glycol monophenyl ether | 122-99-6 | <2       | 1.0                           |
| Formaldehyde                     | 50-00-0  | 0.1-0.7  | 0.1                           |
| Phenol                           | 108-95-2 | <0.06    | 1.0                           |
| Methyl alcohol                   | 67-56-1  | <0.04    | 1.0                           |

#### SARA 311/312 Hazardous Categorization

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

Clean Water Act Not applicable

| Component | CWA - Hazardous Substances | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants |
|-----------|----------------------------|-----------------------------|------------------------|---------------------------|
|           |                            |                             |                        |                           |



|              |   |         |   |   |
|--------------|---|---------|---|---|
| Formaldehyde | X | 100 lb  | - | - |
| Phenol       | X | 1000 lb | X | X |

**Clean Air Act** Not applicable

| Component                        | HAPS Data | Class 1 Ozone Depletors | Class 2 Ozone Depletors |
|----------------------------------|-----------|-------------------------|-------------------------|
| Ethylene glycol monophenyl ether | X         |                         | -                       |
| Formaldehyde                     | X         |                         | -                       |
| Phenol                           | X         |                         | -                       |
| Methyl alcohol                   | X         |                         | -                       |

**OSHA Occupational Safety and Health Administration**

Not applicable

| Component    | Specifically Regulated Chemicals                   | Highly Hazardous Chemicals |
|--------------|--|----------------------------|
| Formaldehyde | 2 ppm STEL<br>0.5 ppm Action Level<br>0.75 ppm TWA | TQ: 1000 lb                |

**CERCLA**

Not applicable

| Component      | Hazardous Substances RQs | CERCLA EHS RQs |
|----------------|--------------------------|----------------|
| Formaldehyde   | 100 lb                   | 100 lb         |
| Phenol         | 1000 lb                  | 1000 lb        |
| Methyl alcohol | 5000 lb                  | -              |

**California Proposition 65** This product does not contain any Proposition 65 chemicals

| Component      | CAS-No  | California Prop. 65  | Prop 65 NSRL | Category      |
|----------------|---------|----------------------|--------------|---------------|
| Formaldehyde   | 50-00-0 | Carc. (Gaseous only) | 40 µg/day    | Carcinogen    |
| Methyl alcohol | 67-56-1 | Developmental        | -            | Developmental |

**State Right-to-Know** Not applicable

| Component                        | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|----------------------------------|---------------|------------|--------------|----------|--------------|
| Water                            | -             | -          | X            | -        | -            |
| 1,2-Propylene glycol             | -             | X          | X            | -        | X            |
| Ethylene glycol monophenyl ether | -             | X          | X            | X        | -            |
| Formaldehyde                     | X             | X          | X            | X        | X            |
| Phenol                           | X             | X          | X            | X        | X            |
| Methyl alcohol                   | X             | X          | X            | X        | X            |

**U.S. Department of Transportation**

Reportable Quantity (RQ): N  
 DOT Marine Pollutant N  
 DOT Severe Marine Pollutant N

**U.S. Department of Homeland Security**

This product does not contain any DHS chemicals.

| Component    | DHS Chemical Facility Anti-Terrorism Standard |
|--------------|---|
| Formaldehyde | 11250 lb STQ (solution)                       |

**Other International Regulations****Mexico - Grade** No information available**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

**WHMIS Hazard Class** D1B Toxic materials

D2A Very toxic materials  
D2B Toxic materials



## 16. Other information

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**Revision Summary** This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

### Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of SDS**