



## **CELL CONDITIONER**

### **with Entrone**

CELL CONDITIONER is a primary injection fluid that washes the capillary bed, clears and expands the small blood vessels of the circulatory system, prepares the soft tissue cells for better reception of the main arterial treatment and improves drainage.

CELL CONDITIONER contains a small amount of formaldehyde and other preservative materials so that it will not waterlog the tissues.

It is of a high drainage nature to aid in displacing blood and body liquids from the blood vascular system.

In order to achieve preservation, the main chemical preservative solution must contact all of the tissue areas of the body. If it is unable to do this because of obstruction in the circulatory system, then the arterial fluid cannot be expected to achieve its intended purpose of preserving such areas.

CELL CONDITIONER aids in this function by clearing the way for the main arterial treatment. When used according to the following directions, CELL CONDITIONER will greatly improve the results on every embalming operation.

### **DIRECTIONS**

Dilute at the rate of 8 oz. with enough water at room temperature to make one-half gallon. Addition of 2-3 oz. of pH-A will enhance the effectiveness of CELL CONDITIONER. Inject solution slowly, without drainage if possible. Allow 10 to 15 minutes for maximum reaction, then initiate drainage and proceed with normal embalming procedures.

**BEFORE USING, READ SAFETY DATA SHEET.  
FOR PROFESSIONAL EMBALMING USE ONLY.**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : CELL CONDITIONER

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture : Accessory Embalming Fluid

Use of the substance/mixture : For professional use only

**1.3. Details of the supplier of the safety data sheet**THE CHAMPION COMPANY  
400 Harrison Street  
Springfield, Ohio 45505

Telephone No. (937) 324-5681

**1.4. Emergency telephone number**

INFOTRAC: 1-800-535-5053 DOMESTIC or 352-323-3500 INTERNATIONAL

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GHS-US classification**

|                     |      |
|---------------------|------|
| Flam. Liq. 4        | H227 |
| Acute Tox. 4 (Oral) | H302 |
| Skin Irrit. 2       | H315 |
| Eye Irrit. 2A       | H319 |
| Skin Sens. 1        | H317 |
| Carc. 1A            | H350 |
| STOT SE 2           | H371 |

**2.2. Label elements****GHS-US labelling**

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US) :

: Danger

Hazard statements (GHS-US) :

: H227 - Combustible liquid  
 H302 - Harmful if swallowed  
 H315 - Causes skin irritation  
 H317 - May cause an allergic skin reaction  
 H319 - Causes serious eye irritation  
 H350 - May cause cancer  
 H371 - May cause damage to organs

Precautionary statements (GHS-US) :

: 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  
 P260 - Do not breathe dust, fume, mist, spray, vapors  
 P261 - Avoid breathing dust, fume, mist, spray, vapors  
 P264 - Wash hands thoroughly after handling  
 P270 - Do not eat, drink or smoke when using this product  
 P272 - Contaminated work clothing must not be allowed out of the workplace  
 P280 - Wear protective clothing, protective gloves, eye protection, face protection  
 P301+P312 - If swallowed: Call a POISON CENTER  
 P302+P352 - If on skin: Wash with plenty of water  
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P308+P313 - If exposed or concerned: Get medical attention  
 P321 - Specific treatment (see on this label)  
 P330 - Rinse mouth

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P332+P313 - If skin irritation occurs: Get medical attention  
P333+P313 - If skin irritation or rash occurs: Get medical attention  
P337+P313 - If eye irritation persists: get medical attention  
P362 - Take off contaminated clothing and wash before reuse  
P370+P378 - In case of fire: Use alcohol resistant foam, dry powder, carbon dioxide (CO<sub>2</sub>) to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up  
P501 - Dispose of contents and container to comply with applicable local, state, national and international regulation.

### 2.3. Other hazards

other hazards which do not result in classification : Spilled material may present a slipping hazard.

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name   | Product identifier  | %      | GHS-US classification   |
|--|---------------------|--------|---|
| Methyl alcohol                               | (CAS No) 67-56-1    | 9 - 10 | Flam. Liq. 2, H225<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation:vapor), H331<br>STOT SE 1, H370  |
| Formaldehyde                                 | (CAS No) 50-00-0    | < 2.5  | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Carc. 1A, H350<br>STOT SE 3, H335 |
| Boric acid, disodium salt, pentahydrate      | (CAS No) 12179-04-3 | <2     | Repr. 1B, H360  |
| Boric acid (H <sub>3</sub> BO <sub>3</sub> ) | (CAS No) 10043-35-3 | <1.5   | Repr. 1B, H360  |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep victim warm and rested. Seek medical attention immediately. If breathing stops, give artificial respiration. Immediately get medical attention.

First-aid measures after skin contact : Wash immediately with lots of water (15 minutes)/shower. Gently wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

First-aid measures after eye contact : In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. Get medical attention.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Give water or milk if the person is fully conscious. Immediately call a POISON CENTER. Seek medical advice (show the label where possible).

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

Symptoms/injuries : May cause damage to organs.

Symptoms/injuries after inhalation : Harmful if inhaled. May cause respiratory irritation. Danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation. Difficulty in breathing. Causes damage to liver through prolonged or repeated exposure if inhaled. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.

Symptoms/injuries after skin contact : May cause an allergic skin reaction. Causes skin irritation. Repeated exposure to this material can result in absorption through skin causing significant health hazard.

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- |                                     |  |
|-------------------------------------|--|
| Symptoms/injuries after eye contact | : Causes serious eye irritation. Redness and pain. Impaired vision, watering of eyes, defects in the cornea. Burning sensation. Inflammation. Can cause blindness.   |
| Symptoms/injuries after ingestion   | : Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard. This material contains methanol, which, when ingested, has caused acidosis, ocular toxicity ranging from diminished visual capacity to complete blindness, and death. Ingestion may cause nausea, vomiting and diarrhea. Swallowing can cause severe injury leading to death. |

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- |                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Alcohol resistant foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a solid water stream as it may scatter and spread fire.     |

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

- |                  |   |
|------------------|---|
| Fire hazard      | : Combustible liquid.   |
| Explosion hazard | : May form flammable/explosive vapor-air mixture. Vapor heavier than air may travel considerable distance to a source of ignition and flash back. |

### 5.3. Advice for firefighters

- |                                       |   |
|---------------------------------------|---|
| Firefighting instructions             | : Prevent runoff from entering drains, sewers or waterways. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.   |
| Protective equipment for firefighters | : Wear a self contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.  |
| Other information                     | : Combustible liquid. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Use water spray to cool unopened containers. Alcohols burn with a pale blue flame which may be extremely hard to see under normal lighting conditions. Personnel may be able to feel the heat of the fire without seeing flames. Extreme caution must be exercised in fighting alcohol fires. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Move undamaged containers from immediate hazard area if it can be done safely. On burning: release of carbon monoxide - carbon dioxide. unburned hydrocarbons. Formaldehyde. |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- |                  |  |
|------------------|--|
| General measures | : Stop leak if safe to do so. Avoid breathing dust, fume, mist, spray, vapors. Avoid contact with skin, eyes and clothing. Eliminate all ignition sources if safe to do so. No naked lights. No smoking. Use special care to avoid static electric charges. Remove ignition sources. |
|------------------|--|

#### 6.1.1. For non-emergency personnel

- |                      |   |
|----------------------|---|
| Protective equipment | : Wear suitable protective clothing. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel.   |

#### 6.1.2. For emergency responders

- |                      |   |
|----------------------|---|
| Protective equipment | : Avoid breathing dust, fume, mist, spray, vapors. Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.   |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- |                         |  |
|-------------------------|--|
| Methods for cleaning up | : Keep upwind of the spilled material and isolate exposure. Wear proper protective equipment. Contain large spillage with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Gather the product and place it in a spare container that has been suitably labelled. Consult the appropriate authorities about waste disposal. Small spills may be flushed to a sanitary sewer with copious amounts of water, if in accordance with local, state or national legislation. Eliminate all sources of ignition, avoid sparks, flames and do not smoke in risk area. Ensure all national and local regulations are observed. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
|-------------------------|--|

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Keep away from heat, sparks, open flames, hot surfaces. - No smoking.
- Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Work in a well-ventilated area.  
Avoid breathing dust, fume, mist, spray, vapors. Keep away from clothing as well as other incompatible materials. Avoid contact with skin, eyes and clothing.  
Keep away from heat, sparks, open flames, hot surfaces. - No smoking. Take precautionary measures against static discharge. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.  
Provide good ventilation in process area to prevent formation of vapor. No naked lights. No smoking.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : A washing facility for eye and skin cleaning purposes should be present. Ensure adequate ventilation. Proper grounding procedures to avoid static electricity should be followed. Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Protect containers against physical damage. Keep only in the original container in a cool, well ventilated place. Store away from direct sunlight or other heat sources. Keep container closed when not in use. Keep in fireproof place.
- Incompatible materials : Strong acids, bases. Oxidizing agents.
- Heat and ignition sources : Store away from direct sunlight or other heat sources.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Methyl alcohol (67-56-1)                             |                                     |  |
|--|-------------------------------------|--|
| USA ACGIH  | ACGIH TWA (ppm)                     | 200 ppm                                  |
| USA ACGIH  | ACGIH STEL (ppm)                    | 250 ppm                                  |
| USA OSHA   | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 260 mg/m <sup>3</sup>                    |
| USA OSHA   | OSHA PEL (TWA) (ppm)                | 200 ppm                                  |
| Formaldehyde (50-00-0)                               |                                     |  |
| USA ACGIH  | ACGIH Ceiling (ppm)                 | 0.3 ppm                                  |
| USA OSHA   | OSHA PEL (TWA) (ppm)                | 0.75 ppm                                 |
| USA OSHA   | OSHA PEL (STEL) (ppm)               | 2 ppm (see 29 CFR 1910.1048)             |
| Boric acid, disodium salt, pentahydrate (12179-04-3) |                                     |  |
| USA ACGIH  | ACGIH TWA (mg/m <sup>3</sup> )      | 2 mg/m <sup>3</sup>                      |
| USA ACGIH  | ACGIH STEL (mg/m <sup>3</sup> )     | 6 mg/m <sup>3</sup>                      |
| Boric acid (H3BO3) (10043-35-3)                      |                                     |  |
| USA ACGIH  | ACGIH TWA (mg/m <sup>3</sup> )      | 2 mg/m <sup>3</sup> (inhalable fraction) |
| USA ACGIH  | ACGIH STEL (mg/m <sup>3</sup> )     | 6 mg/m <sup>3</sup> (inhalable fraction) |

#### 8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate ventilation. Monitoring the effectiveness of engineering control is recommended.
- Personal protective equipment : Avoid all unnecessary exposure. Wear protective clothing, protective gloves, eye protection/goggles, face protection. For certain operations, additional Personal Protection Equipment (PPE) may be required.

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|                                 |  |
|---------------------------------|--|
| Hand protection                 | : Wear impermeable protective nitrile gloves. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. |
| Eye protection                  | : Contact lenses should not be worn. Chemical goggles and face shields are required to prevent potential eye contact, irritation or injury.  |
| Skin and body protection        | : Long sleeved protective clothing. Overall. Rubber apron, boots. safety foot-wear.  |
| Respiratory protection          | : In case of insufficient ventilation. Wear suitable respiratory equipment. Approved organic vapor respirator.   |
| Environmental exposure controls | : Avoid discharge to the environment.  |
| Other information               | : Do not eat, drink or smoke during use. Do not breathe dust, fume, mist, spray, vapors. Do not eat, drink or smoke when using this product.   |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                             |
|---|-----------------------------|
| Physical state                              | : Liquid                    |
| Appearance                                  | : Clear.                    |
| Color                                       | : Red                       |
| Odor  | : Moderate odor             |
| Odor threshold                              | : No data available         |
| pH  | : No data available         |
| Relative evaporation rate (butyl acetate=1) | : 1                         |
| Melting point                               | : No data available         |
| Freezing point                              | : No data available         |
| Boiling point                               | : 95.55 °C ( 204 °F )       |
| Flash point                                 | : 85 °C ( 185 °F )          |
| Auto-ignition temperature                   | : No data available         |
| Decomposition temperature                   | : No data available         |
| Flammability (solid, gas)                   | : No data available         |
| Vapor pressure                              | : No data available         |
| Relative vapor density at 20 °C             | : 1                         |
| Relative density                            | : No data available         |
| Density                                     | : 1.022 Specific Gravity    |
| Solubility                                  | : Water: completely soluble |
| Log Pow                                     | : No data available         |
| Log Kow                                     | : No data available         |
| Viscosity, kinematic                        | : No data available         |
| Viscosity, dynamic                          | : No data available         |
| Explosive properties                        | : No data available         |
| Oxidising properties                        | : No data available         |
| Explosive limits                            | : 6.7 - 72 vol %            |

### 9.2. Other information

|             |       |
|-------------|-------|
| VOC content | : 9 % |
|-------------|-------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions. Unstable on exposure to heat. Combustible liquid. May form flammable/explosive vapor-air mixture.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat, sparks, open flames, hot surfaces. heat sources. Direct sunlight.

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### 10.5. Incompatible materials

Oxidizing agents. Strong acids. strong bases.

### 10.6. Hazardous decomposition products

Formaldehyde. Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

| <b>Methyl alcohol (67-56-1)</b> |                               |
|---------------------------------|-------------------------------|
| LC50 inhalation rat (mg/l)      | 130.7 mg/l/4h (lit. ECHA)     |
| ATE US (oral)                   | 100.00000000 mg/kg bodyweight |
| ATE US (dermal)                 | 300.00000000 mg/kg bodyweight |
| ATE US (vapors)                 | 3.00000000 mg/l/4h            |

| <b>Formaldehyde (50-00-0)</b> |                               |
|-------------------------------|-------------------------------|
| LD50 oral rat                 | 500 mg/kg                     |
| LD50 dermal rabbit            | 270 mg/kg                     |
| LC50 inhalation rat (mg/l)    | 0.578 mg/l/4h                 |
| ATE US (oral)                 | 100.00000000 mg/kg bodyweight |
| ATE US (dermal)               | 270.00000000 mg/kg bodyweight |
| ATE US (gases)                | 700.00000000 ppmv/4h          |
| ATE US (vapors)               | 0.57800000 mg/l/4h            |
| ATE US (dust,mist)            | 0.57800000 mg/l/4h            |

| <b>Boric acid, disodium salt, pentahydrate (12179-04-3)</b> |                                |
|---|--------------------------------|
| LD50 oral rat   | 2403 mg/kg                     |
| ATE US (oral)   | 2403.00000000 mg/kg bodyweight |

| <b>Boric acid (H3BO3) (10043-35-3)</b> |                                |
|--|--------------------------------|
| LD50 oral rat                          | 2660 mg/kg                     |
| LD50 dermal rabbit                     | > 2000 mg/kg                   |
| LC50 inhalation rat (mg/l)             | > 0.16 mg/l/4h                 |
| ATE US (oral)                          | 2660.00000000 mg/kg bodyweight |

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Based on available data, the classification criteria are not met.  
Carcinogenicity : May cause cancer.

| <b>Formaldehyde (50-00-0)</b>          |                             |
|--|-----------------------------|
| IARC group                             | 1 - Carcinogenic to humans  |
| National Toxicity Program (NTP) Status | 2 - Known Human Carcinogens |

Reproductive toxicity : Not classified  
Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) : May cause damage to organs.

Specific target organ toxicity (repeated exposure) : Not classified  
Based on available data, the classification criteria are not met.

Aspiration hazard : Not classified  
Based on available data, the classification criteria are not met.

Potential Adverse human health effects and symptoms : Harmful if swallowed.

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|                                      |   |
|--------------------------------------|---|
| Symptoms/injuries after inhalation   | : Harmful if inhaled. May cause respiratory irritation. Danger of serious damage to health by prolonged exposure through inhalation. May cause cancer by inhalation. Difficulty in breathing. Causes damage to liver through prolonged or repeated exposure if inhaled. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.               |
| Symptoms/injuries after skin contact | : May cause an allergic skin reaction. Causes skin irritation. Repeated exposure to this material can result in absorption through skin causing significant health hazard.  |
| Symptoms/injuries after eye contact  | : Causes serious eye irritation. Redness and pain. Impaired vision, watering of eyes, defects in the cornea. Burning sensation. Inflammation. Can cause blindness.  |
| Symptoms/injuries after ingestion    | : Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard. This material contains methanol, which, when ingested, has cards acidosis, ocular toxicity ranging from diminished visual capacity to complete blindness, and death. Ingestion may cause nausea, vomiting and diarrhea. Swallowing can cause severe injury leading to death. |

## SECTION 12: Ecological information

### 12.1. Toxicity

| Methyl alcohol (67-56-1)        |  |
|---------------------------------|--|
| LC50 fishes 1                   | > 12700 mg/l 96 hours  |
| EC50 Daphnia 1                  | > 10000 mg/l   |
| Formaldehyde (50-00-0)          |  |
| LC50 fishes 1                   | 22.6 - 25.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1                  | 2 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                |
| LC50 fish 2                     | 1510 µg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])              |
| EC50 Daphnia 2                  | 11.3 - 18 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])               |
| Boric acid (H3BO3) (10043-35-3) |  |
| EC50 Daphnia 1                  | 115 - 153 mg/l (Exposure time: 48 h - Species: Daphnia magna)                        |

### 12.2. Persistence and degradability

| CELL CONDITIONER              |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

| CELL CONDITIONER                |                   |
|---------------------------------|-------------------|
| Bioaccumulative potential       | Not established.  |
| Formaldehyde (50-00-0)          |                   |
| Log Pow                         | 0.35 (at 25 °C)   |
| Boric acid (H3BO3) (10043-35-3) |                   |
| BCF fish 1                      | 0                 |
| Log Pow                         | -0.757 (at 25 °C) |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

|                              |                                       |
|------------------------------|---------------------------------------|
| Effect on ozone layer        | : No additional information available |
| Effect on the global warming | : No additional information available |
| Other information            | : Avoid release to the environment.   |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                |   |
|--------------------------------|---|
| Waste disposal recommendations | : It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations. Dispose of contents and container to comply with applicable local, state, national and international regulation. Consult the appropriate authorities about waste disposal. Do not pressurize, cut, weld, braze solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Do not re-use empty containers. Incinerate, dispose in sanitary landfill - if permitted. Ensure all national and local regulations are observed. Dispose in a safe manner in accordance with local and national regulations. |
| Additional information         | : Handle empty containers with care because residual vapors are flammable.  |
| Ecology - waste materials      | : Avoid release to the environment.   |



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### SECTION 14: Transport information

In accordance with DOT  
Not regulated for transport

#### Additional information

Other information : No supplementary information available.

#### Transport by sea

Not regulated for transport

#### Air transport

Not regulated for transport

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

| CELL CONDITIONER  |         |
|---|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) :  | 4000 lb |
| Methyl alcohol (67-56-1)  |         |
| RQ (Reportable quantity, section 304 of EPA's List of Lists) :  | 5000 lb |
| SARA Section 313 - Emission Reporting   | 1.0 %   |
| Formaldehyde (50-00-0)  |         |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Listed on the United States SARA Section 302<br>Listed on United States SARA Section 313 |         |
| RQ (Reportable quantity, section 304 of EPA's List of Lists) :  | 100 lb  |
| SARA Section 302 Threshold Planning Quantity (TPQ)  | 500     |
| SARA Section 313 - Emission Reporting   | 0.1 %   |

#### 15.2. International regulations

##### CANADA

| Formaldehyde (50-00-0)                                |   |
|---|---|
| Listed on the Canadian DSL (Domestic Substances List) |   |
| WHMIS Classification                                  | Class A - Compressed Gas<br>Class B Division 1 - Flammable Gas<br>Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects<br>Class D Division 2 Subdivision A - Very toxic material causing other toxic effects<br>Class D Division 2 Subdivision B - Toxic material causing other toxic effects |
| Boric acid (H3BO3) (10043-35-3)                       |   |
| Listed on the Canadian DSL (Domestic Substances List) |   |
| WHMIS Classification                                  | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects  |

##### EU-Regulations

| Formaldehyde (50-00-0)   |  |
|--|--|
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |  |

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

##### 15.2.2. National regulations

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### Formaldehyde (50-00-0)

Listed on IARC (International Agency for Research on Cancer)  
 Listed on the AICS (Australian Inventory of Chemical Substances)  
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
 Listed on the Japanese ISHL (Industrial Safety and Health Law)  
 Listed on the Korean ECL (Existing Chemicals List)  
 Listed on NZIoC (New Zealand Inventory of Chemicals)  
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
 Japanese Poisonous and Deleterious Substances Control Law  
 Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
 Listed as carcinogen on NTP (National Toxicology Program)  
 Listed on the Canadian IDL (Ingredient Disclosure List)

### 15.3. US State regulations

#### Methyl alcohol (67-56-1)

|   |   |   |   |                                   |
|---|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
|   | Yes   |   |   |                                   |

#### Formaldehyde (50-00-0)

|   |   |   |   |                                   |
|---|---|---|---|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significance risk level (NSRL) |
| Yes   |   |   |   |                                   |

## SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

|                                 |   |
|---------------------------------|---|
| Acute Tox. 3 (Dermal)           | Acute toxicity (dermal) Category 3                          |
| Acute Tox. 3 (Inhalation)       | Acute toxicity (inhalation) Category 3                      |
| Acute Tox. 3 (Inhalation:vapor) | Acute toxicity (inhalation:vapor) Category 3                |
| Acute Tox. 3 (Oral)             | Acute toxicity (oral), Category 3                           |
| Acute Tox. 4 (Oral)             | Acute toxicity (oral), Category 4                           |
| Carc. 1A                        | Carcinogenicity, Category 1A                                |
| Eye Dam. 1                      | Serious eye damage/eye irritation, Category 1               |
| Eye Irrit. 2A                   | Serious eye damage/eye irritation, Category 2A              |
| Flam. Liq. 2                    | Flammable liquids Category 2                                |
| Flam. Liq. 4                    | Flammable liquids Category 4                                |
| Repr. 1B                        | Reproductive toxicity Category 1B                           |
| Skin Corr. 1B                   | Skin corrosion/irritation Category 1B                       |
| Skin Irrit. 2                   | Skin corrosion/irritation Category 2                        |
| Skin Sens. 1                    | Sensitisation — Skin, category 1                            |
| STOT SE 1                       | Specific target organ toxicity (single exposure) Category 1 |
| STOT SE 2                       | Specific target organ toxicity (single exposure) Category 2 |
| STOT SE 3                       | Specific target organ toxicity (single exposure) Category 3 |
| H225                            | Highly flammable liquid and vapor                           |
| H227                            | Combustible liquid  |
| H301                            | Toxic if swallowed  |
| H302                            | Harmful if swallowed  |
| H311                            | Toxic in contact with skin                                  |
| H314                            | Causes severe skin burns and eye damage                     |
| H315                            | Causes skin irritation                                      |
| H317                            | May cause an allergic skin reaction                         |
| H318                            | Causes serious eye damage                                   |
| H319                            | Causes serious eye irritation                               |

# CELL CONDITIONER

## Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

|      |  |
|------|--|
| H331 | Toxic if inhaled                         |
| H335 | May cause respiratory irritation         |
| H350 | May cause cancer                         |
| H360 | May damage fertility or the unborn child |
| H370 | Causes damage to organs                  |
| H371 | May cause damage to organs               |

### HMIS III Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur  
Flammability : 2 Moderate Hazard  
Physical : 0 Minimal Hazard

SDS US (GHS HazCom 2012)

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