

# Millenium new era Compound

The Future Now: Formaldehyde Free

Millenium/New Era Compound is a formaldehyde free multi-based autopsy and viscera compound. As a member of the Millenium/New Era line of embalming formulations it does not contain paraformaldehyde or formaldehyde in any form, yet thoroughly embalms and preserves viscera and cavities.

Millenium/New Era Compound is a tannish-white nearly dustless coarse powder formulation with a pleasant deodorizing scent. Millenium/New Era Compound is rapid in action and absorbs readily all body fluids and exerts a moderate hardening effect to viscera while exhibiting a high degree of sanitizing ability. Millenium/New Era Compound clings readily to cavity side walls and the cranial vault while exhibiting good absorption of fluids.

Millenium/New Era Compound is also useful as an external embalming agent and absorptive agent in cases of advanced decomposition, burn victims, or other extreme embalming situations. Millenium/New Era Compound is highly deodorizing in addition to exerting a sanitizing and embalming action. Always pre-treat viscera with a powerful and effective cavity treatment such as Champion's Millenium/New Era Cavity 48 prior to treatment with Millenium/New Era Compound and closure of cavities - to insure thorough embalming.

Always use filter mask and maintain adequate ventilation. Use heavy duty autopsy style gloves to avoid skin contact. Wear other appropriate protective equipment as necessary. Avoid contact with skin or eyes.

**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 : New Era Compound  
 Other means of identification : Millenium/New Era Compound

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

Use of the substance/mixture : Embalming compound  
 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

Acute Tox. 4 (Inhalation:dust,mist) H332  
 Skin Irrit. 2 H315  
 Eye Dam. 1 H318  
 Resp. Sens. 1 H334  
 Skin Sens. 1 H317  
 STOT SE 3 H335

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) :

- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H332 - Harmful if inhaled
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 - May cause respiratory irritation

Precautionary statements (GHS-US) :

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P261 - Avoid breathing dust, fume, mist, spray, vapors
- P264 - Wash hands thoroughly after handling
- P271 - Use only in a well-ventilated area
- P272 - Contaminated work clothing must not be allowed out of the workplace
- P280 - Wear protective clothing, protective gloves, eye protection, face protection
- P285 - In case of inadequate ventilation wear respiratory protection
- P302+P352 - If on skin: Wash with plenty of water
- P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 - Immediately call a POISON CENTER
- P312 - Call a POISON CENTER
- P332+P313 - If skin irritation occurs: Get medical attention
- P333+P313 - If skin irritation or rash occurs: Get medical attention
- P342+P311 - If experiencing respiratory symptoms: Call a doctor

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P362 - Take off contaminated clothing and wash before reuse  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents and container to comply with applicable local, state, national and international regulation

### 2.3. Other hazards

No additional information available

### 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
Sulfuric acid, aluminum ammonium salt (2:1:1), dodecahydrate	(CAS No) 7784-26-1	<8.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Methyl salicylate	(CAS No) 119-36-8	1 - 4	Acute Tox. 4 (Oral), H302
Glutaraldehyde	(CAS No) 111-30-8	1 - 3	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317

## 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. Consult physician immediately. Keep victim warm and rested. If breathing stops, give artificial respiration. Seek medical attention immediately.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical attention.
First-aid measures after eye contact	: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently 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. Immediately get medical attention.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Give milk to drink. Never give anything by mouth to a person who is not fully conscious. Obtain emergency medical attention. Call a POISON CENTER.

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

Symptoms/injuries after inhalation	: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Irritating to the respiratory system, may cause throat pain and cough. Possible respiratory damage following repeated or prolonged inhalation.
Symptoms/injuries after skin contact	: May cause skin irritation. May cause an allergic skin reaction. Repeated or prolonged skin contact may cause dermatitis and defatting. Skin rash/inflammation.
Symptoms/injuries after eye contact	: Causes serious eye damage. Direct contact may cause severe irritation, pain and burns, possibly severe, and permanent damage including blindness.
Symptoms/injuries after ingestion	: Ingestion may cause nausea and vomiting. May cause gastric irritation. Irritation of the stomach possible. Death in extreme cases.

### 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 (CO <sub>2</sub> ). Water spray. Sand.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

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

No additional information available

### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus.
- Other information : Avoid raising powdered materials into airborne dust. Dust may form flammable and explosive mixture with air. Thermal combustion may release carbon monoxide and dioxide. Toxic gases and fumes may be released in a fire. Silicon oxide. unburned hydrocarbons. Sulfur oxides.

## SECTION 6: Accidental release measures

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

- General measures : Avoid breathing dust, fume, mist, spray, vapors. Avoid raising powdered materials into airborne dust. Heavy airborne concentrations of fine powder in enclosed spaces may ignite or explode in the presence of sources of ignition. Take precautionary measures against static discharge.

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : 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 : Eliminate all sources of ignition, avoid sparks, flames and do not smoke in risk area. Avoid creating or spreading dust. Dust may form flammable and explosive mixture with air. Shovel into suitable and closed container for disposal. Store away from other materials. Collect all waste in suitable and labelled containers and dispose according to local legislation. Ensure all local, state, national and international regulations are observed. Consult the appropriate authorities about waste disposal.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Obtain special instructions before use. Work in a well-ventilated area. When not in use, keep containers tightly closed. Avoid contact with skin, eyes and clothes. Avoid raising powdered materials into airborne dust. Avoid breathing dust, mist or spray. Where excessive dust may result, wear approved mask. Wear recommended personal protective equipment. 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.

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

- Technical measures : Provide local exhaust or general room ventilation. A washing facility for eye and skin cleaning purposes should be present. Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep out of reach of children. Keep only in the original container in a cool, well-ventilated place away from highly flammable substances. Keep container tightly closed and dry. Store away from direct sunlight or other heat sources. Keep away from incompatible materials. Keep away from humid air.
- Incompatible materials : Strong acids, bases. Oxidizing agents.
- Heat and ignition sources : Keep away from open flames, hot surfaces and sources of ignition.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Glutaraldehyde (111-30-8)

USA ACGIH

ACGIH Ceiling (ppm)

0.05 ppm (activated and inactivated)

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### 8.2. Exposure controls

Appropriate engineering controls	: Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation.
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.
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.
Respiratory protection	: In case of insufficient ventilation. Wear suitable respiratory equipment. Approved organic vapor respirator.
Environmental exposure controls	: Avoid release to the environment.
Other information	: Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Appearance	: Granular powder.
Color	: Tan - white
Odor	: Pungent
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 54.44 °C ( 130 °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	: No data available
Relative density	: No data available
Solubility	: Water: Not determined
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	: No data available

### 9.2. Other information

VOC content	: Percent volatiles 8
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable at normal conditions.

### 10.3. Possibility of hazardous reactions

Not established.

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### 10.4. Conditions to avoid

Direct sunlight. Keep away from heat, sparks, open flames, hot surfaces. - No smoking.

### 10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agents.

### 10.6. Hazardous decomposition products

On thermal combustion form: Fume. Carbon monoxide. Carbon dioxide. unburned hydrocarbons. Silicon dioxide. Toxic fumes. Sulfur oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Harmful if inhaled.

New Era Compound	
ATE US (dust,mist)	1.50000000 mg/l/4h

Glutaraldehyde (111-30-8)	
LD50 oral rat	252 mg/kg
LD50 dermal rabbit	560 µl/kg
LC50 inhalation rat (mg/l)	0.1 mg/l/4h
ATE US (oral)	252.00000000 mg/kg bodyweight
ATE US (vapors)	0.10000000 mg/l/4h
ATE US (dust,mist)	0.10000000 mg/l/4h

Methyl salicylate (119-36-8)	
LD50 oral rat	887 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	887.00000000 mg/kg bodyweight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met.
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met.
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
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	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Irritating to the respiratory system, may cause throat pain and cough. Possible respiratory damage following repeated or prolonged inhalation.
Symptoms/injuries after skin contact	: May cause skin irritation. May cause an allergic skin reaction. Repeated or prolonged skin contact may cause dermatitis and defatting. Skin rash/inflammation.
Symptoms/injuries after eye contact	: Causes serious eye damage. Direct contact may cause severe irritation, pain and burns, possibly severe, and permanent damage including blindness.
Symptoms/injuries after ingestion	: Ingestion may cause nausea and vomiting. May cause gastric irritation. Irritation of the stomach possible. Death in extreme cases.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Glutaraldehyde (111-30-8)	
LC50 fishes 1	7.8 - 22 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	2.6 - 4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 Daphnia 2	0.56 - 1.0 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

#### 12.2. Persistence and degradability

New Era Compound	
Persistence and degradability	Not established.

#### 12.3. Bioaccumulative potential

New Era Compound	
Bioaccumulative potential	Not established.

Glutaraldehyde (111-30-8)	
Log Pow	0.22 (at 25 °C)

Methyl salicylate (119-36-8)	
Log Pow	2.55

#### 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	: Dispose in a safe manner in accordance with local, state, national and international regulations. Consult the appropriate authorities about waste disposal. Ensure all local, state, national and international regulations are observed.
Additional information	: Do not re-use empty containers. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources.
Ecology - waste materials	: Avoid release to the environment.

### 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

No additional information available

#### 15.2. International regulations

##### CANADA

Glutaraldehyde (111-30-8)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects Class E - Corrosive Material

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### Methyl salicylate (119-36-8)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

### Sulfuric acid, aluminum ammonium salt (2:1:1), dodecahydrate (7784-26-1)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class D Division 2 Subdivision B - Toxic material causing other toxic effects

### EU-Regulations

No additional information available

### 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

No additional information available

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 4	Flammable liquids Category 4
Resp. Sens. 1	Sensitisation — Respiratory, category 1
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 3	Specific target organ toxicity (single exposure) Category 3
H227	Combustible liquid
H301	Toxic if swallowed
H302	Harmful if swallowed
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
H330	Fatal if inhaled
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation

### 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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