



EckelTone Co-Injection

SDS Revision Date: Nov. 12, 2015

## SAFETY DATA SHEET

This safety data sheet complies with all requirements of GHS 5<sup>e</sup> 2013

### SECTION 1: IDENTIFICATION

|                             |                                                                |
|-----------------------------|----------------------------------------------------------------|
| Product Identifier:         | <b>Eckeltone Co-Injection</b>                                  |
| CAS Number:                 | Not applicable – refer to Section 3 for details on ingredients |
| Annex VI Index Number:      | Not applicable – refer to Section 3 for details on ingredients |
| Product Identifier Code:    | 2-004                                                          |
| Identified Uses of Product: | Co-Injection/Pre-Injection Embalming                           |

#### Details of Supplier:

#### **H.S. ECKELS & COMPANY (CANADA) LTD.**

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Emergency Telephone Number (613) 996-6666 (Canutec)

### SECTION 2: HAZARD IDENTIFICATION

#### Classification of Mixture

Orange liquid. Little odour.

#### Label Elements:

##### Signal Words

Warning

##### Hazard Statements

H227: Combustible Liquid  
H303: May Be Harmful if Swallowed  
H320: Causes Eye Irritation

##### Precautionary Statements – Prevention

P210: Keep away from heat, sparks, open flames and hot surfaces. - No smoking.  
P264: Wash contacted areas thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves, protective clothing and eye or face protection.

##### Precautionary Statements - Response

P301+P312+P330: IF SWALLOWED: call a POISON CENTRE or doctor if you feel unwell. Rinse mouth.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Seek medical attention.

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P370+P378: In case of fire, use carbon dioxide, alcohol foam, dry chemical or water spray.

### Precautionary Statements - Storage

P403: Store in a well ventilated area.

### Precautionary Statements - Disposal

P501: Review federal, provincial or state, and local government requirements prior to disposal. For large quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

### Hazard Symbols:

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Table 3.1: Ingredients of Mixture

| Chemical Name | CAS Number | EC Number | Concentration % |
|---------------|------------|-----------|-----------------|
| Methanol      | 67-56-1    | 200-659-6 | 8-14            |

## SECTION 4: FIRST-AID MEASURES

### Necessary First-Aid Measures upon:

|              |                                                                                                                                                                                 |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | Remove source of contamination or move victim to fresh air. If breathing has stopped give artificial respiration, obtain medical attention immediately.                         |
| Eye Contact  | Flush eyes with lukewarm water for at least 20 minutes, holding the eye lids open. If irritation persists, obtain medical attention immediately.                                |
| Skin Contact | Avoid direct contact, remove contaminated clothing flush immediately with lukewarm water for at least 20 minutes. If irritation persists, obtain medical attention immediately. |
| Ingestion    | Induce vomiting immediately, obtain medical attention immediately.                                                                                                              |

### Most Important Effects

Toxic if swallowed.  
Vapours can cause permanent eye damage.  
Prolonged exposure to skin can cause dermatitis.  
Repeated exposure to skin can cause sensitization  
Inhalation of large amounts is toxic.

### Most Important Symptoms

|           |                                                          |
|-----------|----------------------------------------------------------|
| Immediate | Irritation of effected area<br>Nausea and abdominal pain |
|-----------|----------------------------------------------------------|

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Delayed                      Inflammation of eyelids  
Collapse and Unconsciousness  
Broncho-pneumonia

### Additional Information

Clinical Testing              Clinical tests to determine toxicity have been performed on rat and rabbit. See table 11.1 for details. Clinical testing has been performed to determine carcinogenicity. See Section 1 for details.

Medical Monitoring        Treat symptomatically. Immediate medical attention is required.

Antidotes                    No antidotes have been listed for this mixture.

Contraindications         No contraindications have been listed for this mixture.

## SECTION 5: FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Carbon dioxide, alcohol foam, dry chemical, water spray.

### Specific Hazards arising for Combustion of the Product

May form formaldehyde gas, carbon oxides, hydrogen, formic acid and various Hydrocarbons.

### Special Protective Actions for Fire-Fighters

Wear self-contained breathing apparatus and complete personal protective equipment.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions              Avoid breathing vapour. Ventilate area. Eliminate ignition sources.

**Protective Equipment**

Respiratory protection:              Use NIOSH approved respiratory equipment.

Protective Gloves:                    PVC, nitrile or neoprene rubber should be worn to prevent prolonged or repeated skin contact.

Eye Protection:                        Chemical safety goggles should be worn to prevent eye contact.

Other Protective equipment:        Eye wash fountain and safety shower must be available in areas where this material is used.

Emergency Procedures              Ventilate area using local exhaust ventilation to control airborne vapours. Eliminate ignition sources.

Environmental Cautions              This product is listed as harmful to aquatic life. Please refer to Section 12 for complete ecological effects.

If large amounts are spilled please notify your local environmental agency.

**Methods and Materials for:**

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**Containment** Neutralize with diluted solutions of ammonia. Contain spill with inert absorbent material.

**Clean Up** Review federal, provincial or state, and local government requirements prior to disposal. For large quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service. Please refer to Section 13 for complete disposal procedures.

### SECTION 7: HANDLING AND STORAGE

#### Precautions for Safe Handling

**Specific** Avoid contact with eyes, skin and clothing. Avoid breathing vapours. Wash thoroughly with soap and water after handling. Please refer to Section 6 for details on appropriate PPE.

#### General Hygiene Considerations

Eating, drinking, smoking and applying cosmetics in work areas is prohibited.  
Remove all contaminated clothing and PPE before entering eating areas.

#### Precautions for Safe Storage

Store in a cool, dry, ventilated area. Keep away from heat, sparks and flames. Do not store below 35°F (1°C) or above 105°F (40°C).

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control Parameters

**Table 8.1: Exposure Limits**

| Chemical Name   | TLV-C (ACGIH) | TLV-TWA (ACGIH) | TLV-TWA (OSHA) | TLV-STEL (OSHA) |
|-----------------|---------------|-----------------|----------------|-----------------|
| <b>Methanol</b> | 250ppm        | Not Available   | 200ppm         | Not Available   |

#### Exposure Controls

Keep container tightly closed. Do not handle until all safety precautions have been read and understood. Ensure all personnel wear appropriate PPE at all times when handling this product. Contaminated work clothing should not be allowed out of the workplace.

#### Engineered Protection Measures

Use local exhaust ventilators to control airborne vapours.

#### Individual Protection Measures

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General hygiene measures and appropriate PPE should be used in conjunction with the afore mentioned engineered measures of protection. Also see Section 5 for additional protection measures in case of fire.

|                        |                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------|
| Eye/Face Protection    | Chemical safety goggles should be worn to prevent eye contact.                                       |
| Skin Protection        | PVC, nitrile or neoprene rubber gloves should be worn to prevent prolonged or repeated skin contact. |
| Respiratory Protection | NIOSH approved respiratory equipment should be worn to prevent inhalation of vapours.                |
| Thermal Hazards        | This mixture does not present a thermal hazard under normal use.                                     |

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on Physical and Chemical Properties of Mixture

|                                        |                |
|----------------------------------------|----------------|
| Appearance                             | Orange liquid  |
| Odour                                  | Little odour   |
| Odour Threshold                        | Not Available  |
| pH                                     | 7.0-7.5        |
| Melting/Freezing Point                 | Not Available  |
| Boiling Point and Range                | 62.7°C - 100°C |
| Flash Point                            | 87.7°C         |
| Evaporation Rate(BuAe=1)               | <1             |
| Flammability (Solid, Gas)              | Yes as Solid   |
| Upper Explosive Limit                  | 73%            |
| Lower Explosive Limit                  | 6%             |
| Vapour Pressure                        | 22mmHg         |
| Vapour Density (air=1)                 | >1             |
| Relative Density                       | Not Available  |
| Solubility                             | 99%            |
| Partition Coefficient: n-octanol/water | Not Available  |
| Auto-Ignition Temp                     | Not Available  |
| Decomposition Temp                     | Not Available  |
| Viscosity                              | Not Available  |

### SECTION 10: STABILITY AND REACTIVITY

|                                    |                                                                              |
|------------------------------------|------------------------------------------------------------------------------|
| Reactivity                         | Not normally reactive                                                        |
| Chemical Stability                 | Stable                                                                       |
| Possibility of Hazardous Reactions | Hazardous polymerization does not occur.                                     |
| Conditions to Avoid                | There are no specific conditions to avoid during normal use of this product. |

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Incompatibility Materials  
Hazardous Decomposition Products

Strong alkali and oxidizing agents. Hydrochloric acid.  
Carbon dioxide, carbon monoxide, hydrogen and formaldehyde gas. Reaction with hydrochloric acid may form bis-chloromethyl ether which is a suspected human carcinogen according to ACGIH and carcinogenic to humans according to IARC

### SECTION 11 : TOXICOLOGICAL INFORMATION

#### Toxicological Data of Ingredients

|                                       |                                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Toxicity                        | This substance is classified as a Potentially Harmful Material – May Be Harmful if Swallowed, according to GHS Regulation, Hazard Category 5. |
| Skin Corrosion/Irritation             | Not classified as a Skin Irritant.                                                                                                            |
| Serious Eye Damage/Irritation         | This substance is classified as an Eye Irritant – Causes Eye Irritation according to GHS Regulation, Hazard Category 2B.                      |
| Respiratory or Skin Sensitization     | Not classified as a Skin Sensitizer.                                                                                                          |
| Germ Cell Mutagenicity                | Not classified as a germ cell mutagenic hazard.                                                                                               |
| Carcinogenicity                       | Not classified as a Carcinogen.                                                                                                               |
| Reproductive Toxicity                 | Not classified as a reproductive hazard.                                                                                                      |
| STOT – Single Exposure                | Not classified as a hazard for target organ toxicity in a single exposure.                                                                    |
| STOT – Repeated Exposure              | Not classified as a hazard for target organ toxicity in repeated exposure.                                                                    |
| Aspiration Hazard                     | Not classified as an aspiration hazard.                                                                                                       |
| Routes of Exposure                    | Eye Contact, Ingestion                                                                                                                        |
| <b>Effects of Acute Exposure via:</b> |                                                                                                                                               |
| Eye Contact                           | Liquid can cause eye irritation, including reversible eye damage.                                                                             |
| Ingestion                             | Nausea, diarrhoea                                                                                                                             |

**Table 11.1: Toxicity Data for Hazardous Ingredients**



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| Chemical Name | LC <sub>50</sub> (Rat.lhl) | LD <sub>50</sub> (Rat.oral) | LD <sub>50</sub> (Rbt.skin) |
|---------------|----------------------------|-----------------------------|-----------------------------|
| Methanol      | 64,000ppm/4hr              | 13000mg/kg                  | 20,000mg/kg                 |

Interactive Effects

No interactive effects are listed for this mixture.

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicological Properties

|                               |                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Aquatic Toxicity        | This product is classified as not toxic to aquatic life according to GHS regulations. This mixture is not considered ecologically toxic (PAN Pesticide Database). |
| Chronic Aquatic Toxicity      | This product is classified as not toxic to aquatic life according to GHS regulations.                                                                             |
| Persistence and Degradability | This product is considered to be readily biodegradable.                                                                                                           |
| Bioaccumulative Potential     | This product is not considered to be bioaccumulative.                                                                                                             |
| Mobility in Soil              | This product is considered to have low soil mobility.                                                                                                             |
| Other Adverse Effects         | Methanol levels over 0.1% may be toxic to sewage bacteria.                                                                                                        |

### SECTION 13: DISPOSAL CONSIDERATIONS

Please refer to Sections 7 and 8 for proper storage, handling and personal protective measures.

#### Disposal Containers and Methods

|                    |                                                                                                                                                                                                                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Disposal   | Avoid disposal of this product via sewage systems.<br>Review federal, provincial or state, and local government requirements prior to disposal.<br>Disposal by controlled incineration or by secure land fill may be acceptable.                                                                            |
| Container Disposal | Empty containers may contain hazardous residue. Return to supplier for reuse if possible. Never weld, cut or grind empty containers. If disposing of containers, ensure they are well rinsed with water, then disposed of at an authorised landfill. After cleaning, all existing labels should be removed. |

#### Properties affecting Disposal Options

Methanol levels over 0.1% may be toxic to sewage bacteria.

#### Special Precautions for Incinerators or Landfills

No special precautions for incinerators or landfills are listed for this product. See Section 12 for complete ecological information.

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### SECTION 14: TRANSPORT INFORMATION

| Regulation         | UN Number | Description                                    | Class | Group | Symbols                                                                             |
|--------------------|-----------|------------------------------------------------|-------|-------|-------------------------------------------------------------------------------------|
| TDG <sup>1</sup>   | UN1993    | Flammable Liquid n.o.s                         | 3     | III   |  |
| DOT <sup>1,2</sup> | UN1993    | Flammable Liquid n.o.s.<br>(contains Methanol) | 3     | III   | G                                                                                   |

<sup>1</sup> This material may be shipped as Limited Quantity when in containers with a volume no larger than 5.0L and in packages not exceeding 30 kg gross mass.

<sup>2</sup> See 49 CFR Section 173.27 and 175.75 for complete disclosure of quantity limitations.

### SECTION 15: REGULATORY INFORMATION

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

#### US Federal Information:

TSCA: All listed ingredients appear on the TSCA inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): Methanol (5000 lbs / 2270 kg).

#### ECPRA (SARA TITLE III):

Sections 311 and 312, 40 CFR 370 Hazard Classes: Fire Hazard; Health Hazard; Chronic Health Hazard. See section 302 SARA Title III and 40 CFR 355 Appendix A & B for additional information regarding threshold quantities for the reporting of hazardous chemicals.

Section 313, Toxic Chemicals Notification, 40 CFR 372: This product may be subject to SARA notification requirements, since it contains Toxic Chemical constituents above their de minimus concentrations. This product contains: Methanol.

#### Other U.S. State "Right to Know" Lists

The following chemicals are specifically listed by individual States: Methanol (CA, MA, MN, NJ, PA, RI); Sodium tetraborate (CA, MA, MN, NJ, PA, RI).





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### SECTION 16: OTHER INFORMATION

The OSHA Hazard Communication Standard (HCS) is now aligned with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

#### Legend of Abbreviations

GHS – Globally Harmonized System of Classification and Labelling of Chemicals  
SDS – Safety Data Sheet  
OECD – The Organisation for Economic Co-operation and Development  
CAS – Chemical Abstract Service  
EC – European Commission  
TLV – Threshold Limit Value  
TLV-C – Threshold Limit Value – Ceiling Limit  
TWA – Time Weighted Average  
STEL – Short-term Exposure Limits  
ACGIH – American Conference of Governmental Industrial Hygienists 1993-1994  
OSHA – Occupational Safety and Health Administration  
STOT – Specific Target Organ Toxicity  
LC – Lethal Concentration  
LD – Lethal Dose  
Ihl - Inhalation  
Rbt - Rabbit  
UN – United Nations  
TDG – Recommendations on the Transport of Dangerous Goods, published by the UN  
PPE – Personal Protective Equipment  
NIOSH - The National Institute for Occupational Safety and Health  
IARC – International Agency for Research on Cancer  
WHMIS – Workplace Hazardous Materials Information System  
PAN – Pesticide Action Network  
USGS – United States Geological Survey  
CPR – Canadian Controlled Products Regulations  
ECPRA - Emergency Planning and Community Right-to-Know Act  
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act  
TSCA – Toxic Substances Control Act  
SARA – Superfund Amendments and Reauthorization Act  
DOT – U.S. Department of Transportation  
HCS – Hazard Communication Standard

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This Safety Data Sheet was prepared by H.S. Eckels & Company (Canada) Ltd using information provided by the Globally Harmonized System of Classification and Labelling Chemicals – Fifth Revised Edition 2013.

The information in the Safety Data Sheet is put forth to guide persons in safe conduct when exposed to EckelTone Co-Injection.

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The data in this SDS does not apply to the exposure in any other process than those mentioned in Section 1. The data in this SDS does not apply to the exposure to any product other than EckelTone Co-Injection.

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