



# Safety Data Sheet

## Metaflow

SDS Revision Date:

06/01/2016

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

#### 1.1. Product identifier

**Product Identity**

Metaflow

**Alternate Names**

Pre-Coinjection Embalming Chemical

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

**Intended use Application Method**

Pre/Co-Injection Embalming Chemical  
See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name**

The Dodge Chemical  
Company (Canada) Ltd.  
1265 Fewster Drive  
Mississauga ON L4W1A2

**Emergency**

**CANUTEC**

(888) 226-8832

**Customer Service**

**The Dodge Chemical Company (Canada) Ltd.**

(800) 263-0862, (905) 625-0311

### 2. Hazard identification of the product

#### 2.1. Classification of the substance or mixture

No applicable GHS categories.

#### 2.2. Label elements

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

No applicable GHS categories.

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# Dodge

**[Prevention]:**

No GHS prevention statements

**[Response]:**

No GHS response statements

**[Storage]:**

No GHS storage statements

**[Disposal]:**

No GHS disposal statements

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Propylene Glycol CAS Number: 0000057-55-6	10 - 25		[1]
Trisodium EDTA CAS Number: 0000150-38-9	1.0 - 10		[1]
Methane, sulfinylbis- CAS Number: 0000067-68-5	1.0 - 10	Skin Irrit. 2;H315 Eye Irrit. 2;H319	[1]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

In all cases of doubt, or when symptoms persist, seek medical attention.

**General  
Inhalation  
Eyes**

Never give anything by mouth to an unconscious person.

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Irrigate copiously with clean fresh water for at least 15 minutes, holding the eyelids apart and seek medical attention.



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**Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion** If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

**Overview** INHALATION: May be irritating to upper respiratory tract.  
SKIN: Low potential of causing irritation following exposure. Not absorbed topically. Some reddening of the skin may occur with lengthy exposure.  
EYE CONTACT: May cause mild irritation.  
INGESTION: No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of ingestion. Large amounts may cause gastric disturbances. See section 2 for further details.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Small Fire use ABC Dry Chemical extinguisher. Large Fire use water spray, fog or foam. Do not use straight stream.

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

Oxides of carbon and sulfur, formaldehyde gas and thiols.

### 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus to protect from decomposition products.

**ERG Guide No.** ----

## 6. Accidental release measures

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

Keep container closed when not in use. Avoid contact with eyes, skin, or clothing.

### 6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

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

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

Spread an inert absorbent on the spill and place in a suitable, properly labeled container for recovery or disposal.

Flush area with large quantities of water.



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### 7. Handling and storage

#### 7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

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

Handle containers carefully to prevent damage and spillage.  
Incompatible materials: Strong oxidizers and alkali metals.  
See section 2 for further details. - [Storage]:

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

No data available.

### 8. Exposure controls and personal protection

#### 8.1. Control parameters

##### Exposure

CAS No.	Ingestion	Source	Value
0000057-55-6	Propylene Glycol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	10 mg/m3 TWA (listed as AIHA WEEL)
0000067-68-5	Methane, sulfinylbis-	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000150-38-9	Trisodium EDTA	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit



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#### Carcinogen Data

CAS No.	Ingestion	Source	Value
0000057-55-6	Propylene Glycol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000067-68-5	Methane, sulfinylbis-	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000150-38-9	Trisodium EDTA	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

#### 8.2. Exposure controls

##### Respiratory

Not necessary where area is properly ventilated.

##### Eyes

Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids.

##### Skin

Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact. Wear PVC or rubber gloves.

**Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

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

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

##### Appearance

Clear, slightly viscous, pink Liquid

##### Odor

Faint spice

##### Odor threshold

Not Measured

##### pH

9.5-10.5

##### Melting point / freezing point (°C)

N.A



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<b>Initial boiling point and boiling range (°C)</b>	98-100C 208-212F
<b>Flash Point</b>	>93C >200F
<b>Evaporation rate (Ether = 1)</b>	< 1 (n-Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> N.A <b>Upper Explosive Limit:</b> N.A
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	Greater than 1
<b>Specific Gravity</b>	1.025-1.035
<b>Solubility in Water</b>	Complete
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature (°C)</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured
<b>VOC %</b>	96%

#### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

#### 10.1. Reactivity

Hazardous Polymerization will not occur.

#### 10.2. Chemical stability

Stable under normal circumstances.

#### 10.3. Possibility of hazardous reactions

No data available.

#### 10.4. Conditions to avoid

Excessive heat and open flame.

#### 10.5. Incompatible materials

Strong oxidizers and alkali metals.

#### 10.6. Hazardous decomposition products

Oxides of carbon and sulfur, formaldehyde gas and thiols.



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**11. Toxicological information**

**Acute toxicity**

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Propylene Glycol - (57-55-6)	20,000.00, Rat - Category: NA	20,800.00, Rabbit - Category: NA	105.00, Rat - Category: NA	No data available	No data available
Trisodium EDTA - (150-38-9)	No data available	No data available	No data available	No data available	No data available
Methane, sulfinylbis- - (67-68-5)	14,500.00, Rat - Category: NA	5,000.00, Rabbit - Category: 5	No data available	No data available	40,250.00, Rat - Category: NA

Item	Category	Hazard
Acute Toxicity (mouth)	---	Not Applicable
Acute Toxicity (skin)	---	Not Applicable
Acute Toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Eye damage/irritation	---	Not Applicable
Sensitization (respiratory)	---	Not Applicable
Sensitization (skin)	---	Not Applicable
Germ toxicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive Toxicity	---	Not Applicable
Specific target organ systemic toxicity (single exposure)	---	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	---	Not Applicable
Aspiration hazard	---	Not Applicable



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## 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Propylene Glycol - (57-55-6)	710.00, Pimephales promelas	10,000.00, Daphnia magna	Not Available
Trisodium EDTA - (150-38-9)	Not Available	Not Available	Not Available
Methane, sulfinylbis- - (67-68-5)	34,000.00, Pimephales promelas	25,000.00, Daphnia magna	12,350.00 (96 hr), Skeletonema costatum

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

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

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





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### 14. Transport information

- 14.1. UN number Not Applicable  
14.2. UN proper shipping name Not Regulated  
14.3. Transport hazard class(es)

#### DOT (Domestic Surface Transportation)

DOT Proper Shipping Name Not Regulated  
DOT Hazard Class Not Applicable  
DOT Label None  
UN / NA Number Not Applicable  
DOT Packing Group Not Applicable  
CERCLA/DOT RQ NA gal. / NA lbs.

#### IMO / IMDG (Ocean Transportation)

IMDG Proper Shipping Name Not Regulated  
IMDG Hazard Class Not Applicable  
Sub Class Not Applicable  
IMDG Packing Group Not Applicable

- 14.4. Packing group Not Applicable  
14.5. Environmental hazards  
IMDG Marine Pollutant: No

- 14.6. Special precautions for user  
Not Applicable

- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
Not Applicable

### 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

**WHMIS Classification** Not Regulated

**US EPA Tier II Hazards**

**Fire:** No  
**Sudden Release of Pressure:** No  
**Reactive:** No  
**Immediate (Acute):** No  
**Delayed (Chronic):** No



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**EPCRA 311/312 Chemicals and RQs (>.1%) :**

(No Product Ingredients Listed)

**EPCRA 302 Extremely Hazardous (>.1%) :**

(No Product Ingredients Listed)

**EPCRA 313 Toxic Chemicals (>.1%) :**

(No Product Ingredients Listed)

**Proposition 65 - Carcinogens (>0.0%):**

(No Product Ingredients Listed)

**Proposition 65 - Developmental Toxins (>0.0%):**

(No Product Ingredients Listed)

**Proposition 65 - Female Repro Toxins (>0.0%):**

(No Product Ingredients Listed)

**Proposition 65 - Male Repro Toxins (>0.0%):**

(No Product Ingredients Listed)

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

Methane, sulfinylbis-

Propylene Glycol

**Penn RTK Substances (>1%) :**

Propylene Glycol

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.



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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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

This Safety data Sheet was prepared using information provided by/obtained from t  
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