

# Safety Data Sheet

## Restorative

SDS Revision Date:

06/01/2016

# Dodge

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

### 1.1. Product identifier

<b>Product Identity</b>	Restorative
<b>Reference No.</b>	Dod-215
<b>Alternate Names</b>	Co-Injection Chemical Mixture

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

<b>Intended use Application Method</b>	Co-Injection Chemical See Technical Data Sheet.
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### 1.3. Details of the supplier of the safety data sheet

<b>Company Name</b>	The Dodge Chemical Company (Canada) Ltd. 1265 Fewster Drive Mississauga ON L4W1A2
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### Emergency

<b>CANUTEC</b>	(888) 226-8832
<b>Customer Service</b>	
<b>The Dodge Chemical Company (Canada) Ltd.</b>	(800) 263-0862, (9050) 625-0311

## 2. Hazard identification of the product

### 2.1. Classification of the substance or mixture

Acute Tox. 5;H303	May be harmful if swallowed. (Not adopted by US OSHA)
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### 2.2. Label elements

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

## Warning

H303 May be harmful if swallowed.



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**[Prevention]:**

No GHS prevention statements

**[Response]:**

P312 Call a POISON CENTER or doctor / physician if you feel unwell.

**[Storage]:**

No GHS storage Provniments

**[Disposal]:**

No GHS disposal statements

### 3. Composition/information on ingredients

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

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
polyoxypropylene glycol CAS Number: 0025322-69-4	1.0 - 10		[1]
Propylene Glycol CAS Number: 0000057-55-6	1.0 - 10		[1]
Polyethylene glycol CAS Number: 0025322-68-3	1.0 - 10		[1]
Isopropyl Alcohol CAS Number: 0000067-63-0	1.0 - 10	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]
Lanolin, ethoxylated CAS Number: 0061790-81-6	1.0 - 10		[1]
Trisodium EDTA CAS Number: 0000150-38-9	1.0 - 10		[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

#### General

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

#### Inhalation

#### Eyes

Never give anything by mouth to an unconscious person.

#### Skin

#### Ingestion

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.

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

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

#### Overview

#### Ingestion

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

### 5.1. Extinguishing media

Induce vomiting if conscious. Consult physician.

Small Fire use ABC Dry Chemical extinguisher.

Large Fire use water spray, fog or foam. Do not use straight stream.

No specific symptom data available. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

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

Oxides of carbon and nitrogen.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

### 5.3. Advice for fire-fighters

May be harmful if swallowed. (Not adopted by US OSHA)

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

## 5. Fire-fighting measures



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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.

## 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 oxidizing agents, strong acids and alkalis

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

### 7.3. Specific end use(s)

No data available.



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### 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)
0000067-63-0	Isopropyl Alcohol	OSHA	TWA 400 ppm (980 mg/m3)STEL 500 ppm
		ACGIH	TWA: 200 ppmSTEL: 400 ppm Revised 2003,
		NIOSH	TWA 400 ppm (980 mg/m3) ST 500 ppm (1225 mg/m3)
		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
0025322-68-3	Polyethylene glycol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0025322-69-4	polyoxypropylene glycol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0061790-81-6	Lanolin, ethoxylated	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

#### 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;



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0000067-63-0	Isopropyl Alcohol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; 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;
0025322-68-3	Polyethylene 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;
0025322-69-4	polyoxypropylene 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;
0061790-81-6	Lanolin, ethoxylated	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]:



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## 9. Physical and chemical properties

<b>Appearance</b>	Lotion-like pink emulsion Liquid
<b>Odor</b>	Perfumed
<b>Odor threshold</b>	Not Measured
<b>pH</b>	N.A
<b>Melting point / freezing point (°C)</b>	N.A
<b>Initial boiling point and boiling range (°C)</b>	91-93C 196-200F
<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> 3% <b>Upper Explosive Limit:</b> 13%
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	Greater than 1
<b>Specific Gravity</b>	1.000-1.010
<b>Solubility in Water</b>	Disperses
<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>	99%

### 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.



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### 10.4. Conditions to avoid

Avoid prolonged exposure to heat and/or light.

### 10.5. Incompatible materials

Strong oxidizing agents, strong acids and alkalis

### 10.6. Hazardous decomposition products

Oxides of carbon and nitrogen.

## 11. Toxicological information

### Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

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
polyoxypropylene glycol - (25322-69-4)	2,000.00, Rat - Category: 4	No data available	No data available	No data available	No data available
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
Polyethylene glycol - (25322-68-3)	30,200.00, Rat - Category: NA	20,000.00, Rabbit - Category: NA	No data available	No data available	No data available
Isopropyl Alcohol - (67-63-0)	4,710.00, Rat - Category: 5	12,800.00, Rat - Category: NA	72.60, Rat - Category: NA	No data available	No data available
Lanolin, ethoxylated - (61790-81-6)	No data available	No data available	No data available	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





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Item	Category	Hazard
Acute Toxicity (mouth)	5	May be harmful if swallowed. (Not adopted by US OSHA)
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

## 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
polyoxypropylene glycol - (25322-69-4)	650.00, Menidia beryllina	Not Available	Not Available
Propylene Glycol - (57-55-6)	710.00, Pimephales promelas	10,000.00, Daphnia magna	Not Available
Polyethylene glycol - (25322-68-3)	1,000.00, Salmo salar	Not Available	Not Available
Isopropyl Alcohol - (67-63-0)	1,400.00, Lepomis macrochirus	100.00, Daphnia magna	100.00 (72 hr), Scenedesmus subspicatus



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Lanolin, ethoxylated - (61790-81-6)	Not Available	Not Available	Not Available
Trisodium EDTA - (150-38-9)	Not Available	Not Available	Not Available

### 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.

## 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

#### IMO / IMDG (Ocean Transportation)

IMDG Proper Shipping Name Not Regulated



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<b>DOT Hazard Class</b>	Not Applicable	<b>IMDG Hazard Class</b>	Not Applicable
<b>DOT Label</b>	None	<b>Sub Class</b>	Not Applicable
<b>UN / NA Number</b>	Not Applicable		
<b>DOT Packing Group</b>	Not Applicable	<b>IMDG Packing Group</b>	Not Applicable
<b>CERCLA/DOT RQ</b>	NA gal. / NA lbs.		

**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):** Yes

**Delayed (Chronic):** No

**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%) :**

Isopropyl Alcohol

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

(No Product Ingredients Listed)



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**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%) :**

Isopropyl Alcohol

Propylene Glycol

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

Isopropyl Alcohol

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.

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

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

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

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