

### 1. Identification

#### 1.1. Product identifier

**Product Identity**

Proflow

**Alternate Names**

Vascular Conditioner

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

**Intended use**

Pre/Co-Injection Embalming Chemical. For professional use only.

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

**Company Name**

The Dodge Company, Inc  
9 Progress Road  
Billerica, MA 01821

**Emergency**

**CHEMTREC (USA)**

(800) 424-9300

**Customer Service: The Dodge Company, Inc**

(800) 443-6343, (978) 600-2099

### 2. Hazard(s) identification

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

Skin Irrit. 3;H316

Causes mild skin irritation. (Note: this GHS classification was not adopted by US OSHA).

#### 2.2. Label elements

### Warning

H316 Causes mild skin irritation.

**[Prevention]:**

No GHS prevention statements

**[Response]:**

P332+313 IF SKIN IRRITATION OCCURS: Get medical advice or attention.

**[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
2-methylpentane-2,4-diol CAS Number: 0000107-41-5	5 - 10	Eye Irrit. 2;H319 Skin Irrit. 2;H315	[1][2]
Trisodium EDTA CAS Number: 0000150-38-9	1 - 5	Acute Tox. 4;H302 Eye Irrit. 2;H319	[1]
Borates, tetra, sodium salts, decahydrate CAS Number: 0001303-96-4	1 - 5	Repr. 1B;H360FD (@> 8.5%) Acute Tox. 4;H332	[1][2]
dimethyl sulfoxide CAS Number: 0000067-68-5	1 - 5	Combustible Liquid;H227	[1]
Polymeric mixture polyalkylene glycol CAS Number: Proprietary	1 - 5	Skin Irrit. 2;H315 Eye Dam. 2A;H319	[1]
1,2-Propylene glycol CAS Number: 0000057-55-6	1 - 5	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance 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.

### Section 4. First aid measures

#### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	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.
<b>Eyes</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

<b>Overview</b>	Not expected to present a significant hazard under anticipated conditions of normal use. Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details.
<b>Skin</b>	Causes mild skin irritation.

### Section 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

Hazardous decomposition: Oxides of Carbon

#### 5.3. Advice for fire-fighters

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

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### Section 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 waterways.

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.

### Section 7. Handling and storage

#### 7.1. Precautions for safe handling

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

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

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

Incompatible materials: Oxidizers or Reducing Agents

Check section 2.2 (GHS Label Elements) for further details. - [Storage]:

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

No data available.

### Section 8. Exposure controls / personal protection

#### 8.1. Control parameters

CAS No.	Ingredient	Exposure	
		Source	Value
0000057-55-6	1,2-Propylene glycol	OSHA	No Established Limit
		ACGIH	TWA(Aerosol): 10 mg/m <sup>3</sup>
		NIOSH	No Established Limit
0000067-68-5	dimethyl sulfoxide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0000107-41-5	2-methylpentane-2,4-diol	OSHA	No Established Limit
		ACGIH	25 ppm TWA (vapor fraction)
		NIOSH	C 25 ppm (125 mg/m <sup>3</sup> )
0000150-38-9	Trisodium EDTA	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0001303-96-4	Borates, tetra, sodium salts, decahydrate	OSHA	No Established Limit
		ACGIH	TWA: 2 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup>
		NIOSH	TWA 5 mg/m <sup>3</sup>
Proprietary	Polymeric mixture polyalkylene glycol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

#### 8.2. Exposure controls

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids.
<b>Skin</b>	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.
<b>Engineering Controls</b>	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.
<b>Other Work Practices</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details.

### Section 9. Physical and chemical properties

**Appearance**

Clear, slightly viscous, pink Liquid

<b>Odor</b>	Faint spice
<b>Odor threshold</b>	Not determined
<b>pH</b>	9.5-10.5
<b>Melting point / freezing point</b>	N.A
<b>Initial boiling point and boiling range</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>Relative Density</b>	1.025-1.035
<b>Solubility in Water</b>	Not Measured
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured
<b>VOC Content</b>	96%

### 9.2. Other information

No other relevant information.

## Section 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

Keep out of heat > 140F and cold < 30F.

### 10.5. Incompatible materials

Oxidizers or Reducing Agents

### 10.6. Hazardous decomposition products

Oxides of Carbon

### Section 11. Toxicological information

#### Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
2-methylpentane-2,4-diol - (107-41-5)	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
Borates, tetra, sodium salts, decahydrate - (1303-96-4)	2,660.00, Rat - Category: 5	10,000.00, Rabbit - Category: NA	No data available	2.00, Rat - Category: 4	No data available
dimethyl sulfoxide - (67-68-5)	28,300.00, Rat - Category: NA	40,000.00, Rat - Category: NA	No data available	No data available	40,250.00, Rat - Category: NA
Polymeric mixture polyalkylene glycol - (Proprietary)	No data available	No data available	No data available	No data available	No data available
1,2-Propylene glycol - (57-55-6)	22,000.00, Rat - Category: NA	> 2,000.00, Rabbit - Category: NA	No data available	No data available	No data available

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
0000057-55-6	1,2-Propylene glycol	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0000067-68-5	dimethyl sulfoxide	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0000107-41-5	2-methylpentane-2,4-diol	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0000150-38-9	Trisodium EDTA	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0001303-96-4	Borates, tetra, sodium salts, decahydrate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	A4

Proprietary	Polymeric mixture polyalkylene glycol	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation. (Note: this GHS classification was not adopted by US OSHA).
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## Section 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
2-methylpentane-2,4-diol - (107-41-5)	9,910.00, Gambusia affinia	5,410.00, Daphnia magna	430.00 (72 hr), Pseudokirchneriella subcapitata
Trisodium EDTA - (150-38-9)	Not Available	Not Available	Not Available
Borates, tetra, sodium salts, decahydrate - (1303-96-4)	74.00, Limanda limanda	484.00, Daphnia magna	24.00 (72 hr), Scenedesmus subspicatus
dimethyl sulfoxide - (67-68-5)	34,000.00, Pimephales promelas	24,600.00, Daphnia magna	17,000.00 (72 hr), Pseudokirchneriella subcapitata
Polymeric mixture polyalkylene glycol - (Proprietary)	Not Available	Not Available	Not Available
1,2-Propylene glycol - (57-55-6)	40,613.00, Salmo gairdneri	Not Available	24,200.00 (72 hr), Raphidocelis subcapitata

### 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.

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## Section 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Regulated	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No;		
14.6. Special precautions for user	Not Applicable		

## Section 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act ( TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>EPCRA 302 Extremely Hazardous:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>EPCRA 313 Toxic Chemicals:</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>Proposition 65 - Carcinogens (&gt;0.0%):</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### Section 16. Other information

**SDS Revision Date** 04/22/2020

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:

H227 Combustible liquid.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H360FD May damage fertility. Suspected of damaging the unborn child.

This Safety data Sheet was prepared using information provided by/obtained from the Dodge Chemical Company Inc. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to the product. The Dodge Chemical Company, Inc. expressly disclaim all expressed or implied warranty and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other processes as to the accuracy of and/or sufficiency of such information. This Safety Data Sheet may not be changed or altered in any way without the expressed knowledge and permission of The Dodge Chemical Company, Inc.

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