

Section 1. Identification

Product identifier

Product Identity

Proflow

Other means of identification

Vascular Conditioner

Relevant identified uses of the substance or mixture and uses advised against

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

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:

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

Section 2. Hazard(s) identification

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Reproductive toxicity, category 1B;H360FD May damage fertility. May damage the unborn child.

Label elements



Danger

H360FD* May damage fertility. May damage the unborn child.

[Prevention]

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves, eye protection, and face protection.

[Response]

P308+313 IF exposed or concerned: Get medical advice or attention.

P332+313 If skin irritation occurs: Get medical attention.

[Storage]

P405 Store locked up.

[Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

Other hazards

This product contains no PBT/vPvB chemicals.

This product contains no endocrine disrupting chemicals.

Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
2-methylpentane-2,4-diol CAS Number: 107-41-5 Synonyms: 2,4-Pentanediol, 2-methyl-, Glycol hexylene	3 - 7	Serious eye damage / eye irritation, category 2;H319 Skin corrosion/irritation category 2;H315 Reproductive toxicity, category 2;H361D	-----
Trisodium EDTA CAS Number: 150-38-9 Synonyms: No available information	1 - 5	Acute toxicity(oral), category 4;H302 Serious eye damage / eye irritation, category 2;H319	-----
Borates, tetra, sodium salts, decahydrate CAS Number: 1303-96-4 Synonyms: Borax (B4Na2O7.10H2O)	1 - 5	Reproductive toxicity, category 1B;H360FD	-----
dimethyl sulfoxide CAS Number: 67-68-5 Synonyms: No available information	1 - 5	Not Classified	-----
Polymeric mixture polyalkylene glycol CAS Number: Proprietary Synonyms: No available information	1 - 5	Skin corrosion/irritation category 2;H315 Serious eye damage / eye irritation, category 2A;H319	-----
1,2-Propanediol CAS Number: 57-55-6 Synonyms: Propanediol, Propylene Glycol, 1,2-Propylene glycol	0.5 - 1.5	Not Classified	-----

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT-substance or vPvB-substance.

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

Section 4. First aid measures

Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

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.

Eyes

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

Skin

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

Ingestion

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

Most important symptoms and effects, both acute and delayed

Overview

Not expected to present a significant hazard under anticipated conditions of normal use.
Treat symptomatically. See section 2 for further details.

Skin

Causes mild skin irritation.

Section 5. Fire-fighting measures

Extinguishing media

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

Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of Carbon

Advice for fire-fighters

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

ERG Guide No. ----

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

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.

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

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.

See section 2 for further details. - [Prevention]

Conditions for safe storage, including any incompatibilities

Incompatible materials: Oxidizers or Reducing Agents

See section 2 for further details. - [Storage]

Specific end use(s)

No data available.

Section 8. Exposure controls / personal protection

Control parameters

CAS No.	Ingredient	Exposure	
		Source	Value
57-55-6	1,2-Propanediol	OSHA	No Established Limit
		ACGIH	TWA(Aerosol): 10 mg/m ³
		NIOSH	No Established Limit
67-68-5	dimethyl sulfoxide	OSHA	TWA 2.5 mg/m ³ (as F)

		ACGIH	TWA 2.5 mg/m ³ (as F)
		NIOSH	TWA 2.5 mg/m ³ [*Note: The REL also applies to other inorganic, solid fluorides (as F).]
107-41-5	2-methylpentane-2,4-diol	OSHA	No Established Limit
		ACGIH	25 ppm (V) Vapor 50 ppm (V) Vapor, 10 mg/m ³ (I, H)
		NIOSH	C 25 ppm (125 mg/m ³)
150-38-9	Trisodium EDTA	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
1303-96-4	Borates, tetra, sodium salts, decahydrate	OSHA	No Established Limit
		ACGIH	2 mg/m ³ (I) Inhalable 6 mg/m ³ (I) Inhalable
		NIOSH	TWA 5 mg/m ³
Proprietary	Polymeric mixture polyalkylene glycol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit, they must use the appropriate, certified respirators.

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.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State

Liquid

Color

Clear, slightly viscous, pink

Odor

Faint spice

Melting point / freezing point

N.A

Initial boiling point and boiling range

98-100C 208-212F

Flammability (solid, gas)

Not Applicable

Upper/lower flammability or explosive limits

Lower Explosive Limit: N.A

Upper Explosive Limit: N.A

Flash Point

>93C >200F

Auto-ignition temperature

Not Available

Decomposition temperature

Not Available

pH

9.5-10.5

Viscosity (cSt)

Not Available

Solubility in Water

Not Available

Partition coefficient n-octanol/water (Log Kow)

Not Available



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Vapor pressure (Pa)	Not Available
Relative Density	1.025-1.035
Vapor Density	Greater than 1
Evaporation rate (Ether = 1)	< 1 (n-Butyl acetate = 1)
VOC Content	96%
Other information	
No other relevant information.	

Section 10. Stability and reactivity

Reactivity

Hazardous Polymerization will not occur.

Chemical stability

Stable under normal circumstances.

Possibility of hazardous reactions

No data available.

Conditions to avoid

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

Incompatible materials

Oxidizers or Reducing Agents

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-Propanediol - (57-55-6)	22,000.00, Rat - Category: NA	> 2,000.00, Rabbit - Category: NA	No data available.	No data available.	No data available.



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Carcinogen Data

CAS No.	Ingredient	Source	Value
57-55-6	1,2-Propanediol	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
67-68-5	dimethyl sulfoxide	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
107-41-5	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;
		ACGIH	No Established Limit
150-38-9	Trisodium EDTA	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
1303-96-4	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;
		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;
		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	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	1B	May damage fertility. May damage the unborn child.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry: No data available.

Symptoms and effects, both acute and delayed:

Not expected to present a significant hazard under anticipated conditions of normal use. Treat symptomatically.

Skin

Causes mild skin irritation.

Section 12. Ecological information

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 affinis	5,410.00, Daphnia magna	430.00, Pseudokirchneriella subcapitata
Trisodium EDTA - (150-38-9)	No data available.	No data available.	No data available.
Borates, tetra, sodium salts, decahydrate - (1303-96-4)	74.00, Limanda limanda	484.00, Daphnia magna	24.00, Scenedesmus subspicatus
dimethyl sulfoxide - (67-68-5)	34,000.00, Pimephales promelas	24,600.00, Daphnia magna	17,000.00, Pseudokirchneriella subcapitata
Polymeric mixture polyalkylene glycol - (Proprietary)	No data available.	No data available.	No data available.
1,2-Propanediol - (57-55-6)	40,613.00, Salmo gairdneri	18,340.00, Ceriodaphnia dubia	24,200.00, Raphidocelis subcapitata

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

Not Available

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

Other adverse effects

No data available.

Section 13. Disposal considerations

Waste treatment methods

Waste should not be released to sewers. 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
UN number	Not Regulated		
UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
Transport hazard class(es)	DOT Hazard Class: Not Applicable Sub Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable Sub Class: Not Applicable



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Packing group Not Applicable Not Applicable Not Applicable
Environmental hazards
Marine Pollutant: No;
Special precautions for user
Not Applicable

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0000057-55-6	1,2-Propanediol	Yes		ACTIVE
0000107-41-5	2-methylpentane-2,4-diol	Yes		ACTIVE
0001303-96-4	Borates, tetra, sodium salts, decahydrate	Yes		ACTIVE
0000067-68-5	dimethyl sulfoxide	Yes		ACTIVE
Proprietary	Polymeric mixture polyalkylene glycol	No		
0000150-38-9	Trisodium EDTA	Yes		ACTIVE

EPCRA 302 Extremely Hazardous:

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

EPCRA 313 Toxic Chemicals:

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

Proposition 65 - Carcinogens (>0.0%):

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

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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:

H227 Combustible liquid.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H360 May damage fertility or the unborn child.

H361 Suspected of damaging fertility or the unborn child.

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