

### 1. Identification

#### 1.1. Product identifier

**Product Identity**

Perma Seel Aerosol

**Alternate Names**

Multi Purpose External Embalming Seal

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

**Intended use**

See Technical Data Sheet.

#### 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

Flam. Liq. 2;H225

Highly Flammable liquid and vapor.

Skin Irrit. 2;H315

Causes skin irritation.

Eye Dam. 2A;H319

Causes serious eye irritation.

Repr. 1B;H360Df

May damage the unborn child. Suspected of damaging fertility.

STOT SE 3;H336

May cause drowsiness or dizziness.

STOT RE 2;H373

May cause damage to organs through prolonged or repeated exposure. Specific Target Organs: ( central nervous system)

Aquatic Acute 2;H401

Toxic to aquatic life.

#### 2.2. Label elements

**Danger**

H225 Highly Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H360Df May damage the unborn child. Suspected of damaging fertility.

H373 May cause damage to organs through prolonged or repeated exposure.

H401 Toxic to aquatic life.

**[Prevention]**

P201 Obtain special instructions before use.

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

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.



- P233 Keep container tightly closed.
- P240 Ground, bond container and receiving equipment.
- P241 Use explosion-proof electrical, ventilating, light, equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust, fume, gas, mist, vapors, spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, eye protection, face protection.

**[Response]**

- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.
- P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+313 IF exposed or concerned: Get medical advice or attention.
- P312 Call a POISON CENTER, doctor or physician if you feel unwell.
- P314 Get Medical advice or attention if you feel unwell.
- P332+313 If skin irritation occurs: Get medical attention.
- P337+313 If eye irritation persists: Get medical advice or attention.
- P362 Take off contaminated clothing and wash before reuse.
- P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

**[Storage]**

- P403+233 Store in a well ventilated place. Keep container tightly closed.
- P403+235 Store in a well ventilated place. Keep cool.
- P405 Store locked up.

**[Disposal]**

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

### 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
Acetone CAS Number: 0000067-64-1	50 - 75	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	----
Toluene CAS Number: 0000108-88-3	10 - 25	Flam. Liq. 2;H225 Repr. 2;H361d Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315 STOT SE 3;H336	----

Dibutyl phthalate <DBP> CAS Number: 0000084-74-2	1 - 5	Repr. 1B;H360Df Aquatic Acute 1;H400	----
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The specific chemical identity and/or exact percentage (concentration) of composition has been 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

#### 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 the person is conscious, have them drink water. Contact a physician immediately. Do not induce vomiting.

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

<b>Overview</b>	Treat symptomatically. 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. Check section 2.2 (GHS Label Elements) for further details.
<b>Inhalation</b>	May cause drowsiness or dizziness.
<b>Eyes</b>	Causes serious eye irritation.
<b>Skin</b>	Causes skin irritation.

### Section 5. Fire-fighting measures

#### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sup>2</sup>, powder, water spray.  
Unsuitable extinguishing media: Do not use; water jet.

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

Hazardous decomposition: Oxides of carbon and nitrogen.  
Keep away from heat, sparks, open flames, and other ignition sources - No smoking.  
Keep container tightly closed.  
Ground, bond container and receiving equipment.  
Use explosion-proof electrical, ventilating, light, equipment.

Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing dust, fume, gas, mist, vapors, spray.

### 5.3. Advice for fire-fighters

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

ERG Guide No. 127

## Section 6. Accidental release measures

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

Put on appropriate personal protective equipment (see section 8).

### 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

Vapor is heavier than air and may flow along surface to distant ignition source and flashback.

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

Avoid contact with skin. Avoid contact with eyes. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Launder contaminated clothing before reuse. Avoid environmental contamination.

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

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

Incompatible materials: Strong oxidizing agents, strong acids and alkalis

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
0000067-64-1	Acetone	OSHA	TWA 1000 ppm (2400 mg/m <sup>3</sup> ) STEL 2400 mg/m <sup>3</sup>
		ACGIH	TWA: 500 ppm STEL: 750 ppm
		NIOSH	250 ppm (590 mg/m <sup>3</sup> ) TWA
0000084-74-2	Dibutyl phthalate <DBP>	OSHA	TWA 5 mg/m <sup>3</sup>
		ACGIH	TWA: 5 mg/m <sup>3</sup>
		NIOSH	TWA 5 mg/m <sup>3</sup>

0000108-88-3	Toluene	OSHA	TWA (OSHA) 200 ppm C 300 ppm 500 ppm (10-minute maximum peak) STEL 150 ppm
		ACGIH	TWA: 20 ppm
		NIOSH	TWA 100 ppm (375 mg/m <sup>3</sup> ) STEL: 150 ppm (560 mg/m <sup>3</sup> )

### 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

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Color: Bag on Valve dispensing    Physical State: Liquid
<b>Odor</b>	
<b>Odor threshold</b>	Not determined
<b>pH</b>	NA
<b>Melting point / freezing point</b>	NA
<b>Initial boiling point and boiling range</b>	67-69C 153-157F
<b>Flash Point</b>	<23C <73F
<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> 1% <b>Upper Explosive Limit:</b> 11%
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	Greater than 1
<b>Relative Density</b>	0.980
<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>	86%

### 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

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.

### Section 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.

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
Acetone - (67-64-1)	5,800.00, Rat - Category: NA	7,426.00, Rabbit - Category: NA	76.00, Rat - Category: NA	50.10, Rat - Category: NA	No data available
Toluene - (108-88-3)	5,580.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available	No data available	No data available
Dibutyl phthalate <DBP> - (84-74-2)	8,000.00, Rat - Category: NA	20,860.00, Rabbit - Category: NA	No data available	No data available	No data available

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	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
0000084-74-2	Dibutyl phthalate <DBP>	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;



**Safety Data Sheet  
Perma Seal Aerosol**

Revision  
Date: 04/26/2023

0000108-88-3	Toluene	ACGIH	No Established Limit
		OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
		ACGIH	A4
Classification		Category	Hazard Description
Acute toxicity (oral)		---	Not Applicable
Acute toxicity (dermal)		---	Not Applicable
Acute toxicity (inhalation)		---	Not Applicable
Skin corrosion/irritation		2	Causes skin irritation.
Serious eye damage/irritation		2A	Causes serious eye irritation.
Respiratory sensitization		---	Not Applicable
Skin sensitization		---	Not Applicable
Germ cell mutagenicity		---	Not Applicable
Carcinogenicity		---	Not Applicable
Reproductive toxicity		1B	May damage the unborn child. Suspected of damaging fertility.
STOT-single exposure		---	Not Applicable
STOT-single exposure		3	May cause drowsiness or dizziness.
STOT-repeated exposure		2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard		---	Not Applicable

**Section 12. Ecological information**

**12.1. Toxicity**

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Acetone - (67-64-1)	8,120.00, Pimephales promelas	8,800.00, Daphnia pulex	7,000.00 (96 hr), Pseudokirchneriella subcapitata
Toluene - (108-88-3)	5.50, Oncorhynchus kisutch	3.78, Ceriodaphnia dubia	10.00 (72 hr), Skeletonema costatum
Dibutyl phthalate <DBP> - (84-74-2)	0.48, Lepomis macrochirus	2.99, Daphnia magna	0.21 (96 hr), Scenedesmus acutus

**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	UN 1090	UN1090	UN1090
14.2. UN proper shipping name	UN1090, Acetone, 3, II	Acetone	Acetone
14.3. Transport hazard class(es)	DOT Hazard Class: 3	IMDG: 3	Air Class: 3
14.4. Packing group	II	II	II
14.5. Environmental hazards	Marine Pollutant: no;		
14.6. 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.

**Toxic Substance Control Act (TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**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:**

Dibutyl phthalate <DBP>

Toluene

**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%):**

Dibutyl phthalate <DBP>

Toluene

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

Toluene

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

Dibutyl phthalate <DBP>

**Proposition 65 Label Warning:**



WARNING: This product can expose you to chemicals including [Dibutyl phthalate <DBP>, Toluene ], which are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Section 16. Other information

**Revision Date** 04/26/2023

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.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

H360Df May damage the unborn child. Suspected of damaging fertility.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

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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