

Section 1. Identification

Product identifier**Product Identity**

Perma Seal Aerosol

Other means of identification

Multi Purpose External Embalming Seal

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

See Technical Data Sheet.

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).

Flammable Aerosol, category 1;H222

H229

Skin corrosion/irritation category 2;H315

Serious eye damage / eye irritation, category 2A;H319

Reproductive toxicity, category 1B;H360Df

Specific target organ toxicity, Specific exposure category 3;H336

Specific target organ toxicity, repeated exposure category 2;H373

Aquatic toxicity (acute), category 3;H402

Extremely flammable aerosol.

Pressurized container: May burst if heated.

Causes skin irritation.

Causes serious eye irritation.

May damage the unborn child. Suspected of damaging fertility.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure. Specific Target

Organs: (central nervous system)

Harmful to aquatic life.

Label elements**Danger**

H222 Extremely flammable aerosol.

H229 Pressurized container: May burst if heated.

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.



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H402 Harmful 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.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P260 Do not breathe dust, fume, mist, vapors or 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, and face protection.

[Response]

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+340 IF INHALED: Remove person to fresh air and keep 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+364 Take off contaminated clothing and wash it before reuse.

[Storage]

P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.

[Disposal]

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

Other hazards

This product contains no PBT/vPvB chemicals.

84-74-2	Dibutyl phthalate <DBP>	Endocrine disruptor
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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
Acetone CAS Number: 67-64-1 Synonyms: 2-Propanone	45 - 70	Flammable Liquid, category 2;H225 Serious eye damage / eye irritation, category 2;H319 Specific target organ toxicity, Specific exposure category 3;H336	-----
Toluene CAS Number: 108-88-3 Synonyms: TOLUOL	10 - 30	Flammable Liquid, category 2;H225 Reproductive toxicity, category 2;H361d Aspiration hazard, category 1;H304 Specific target organ toxicity, repeated exposure category 2;H373 Skin corrosion/irritation category 2;H315 Specific target organ toxicity, Specific exposure category 3;H336	-----
Dibutyl phthalate < DBP > CAS Number: 84-74-2 Synonyms: Benzenedicarboxylic acid, dibutyl ester, DI-N-BUTYL PHTHALATE, Dibutyl phthalate, Dibutylftalat	1 - 5	Reproductive toxicity, category 1B;H360Df Aquatic toxicity (acute), category 1;H400	-----

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 the person is conscious, have them drink water. Contact a physician immediately. Do not induce vomiting.
Most important symptoms and effects, both acute and delayed	
Overview	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. See section 2 for further details.
Inhalation	May cause drowsiness or dizziness.

Eyes Causes serious eye irritation.
Skin Causes skin irritation.

Section 5. Fire-fighting measures

Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO², powder, water spray.
Unsuitable extinguishing media: Do not use; water jet.

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.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Do not breathe dust, fume, mist, vapors or spray.

Advice for fire-fighters

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

ERG Guide No. 127

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

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

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

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.

See section 2 for further details. - [Prevention]

Conditions for safe storage, including any incompatibilities

Incompatible materials: Strong oxidizing agents, strong acids and alkalis

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
67-64-1	Acetone	OSHA	1000 ppm, 2400 mg/m ³
		ACGIH	250 ppm 500 ppm
		NIOSH	250 ppm (590 mg/m ³) TWA
84-74-2	Dibutyl phthalate < DBP >	OSHA	5 mg/m ³
		ACGIH	5 mg/m ³
		NIOSH	TWA 5 mg/m ³
108-88-3	Toluene	OSHA	200 ppm C 300 ppm, Max above C: 500 ppm 10 mins
		ACGIH	20 ppm
		NIOSH	TWA 100 ppm (375 mg/m ³) STEL: 150 ppm (560 mg/m ³)

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	Bag on Valve dispensing
Odor	Not Provided
Melting point / freezing point	NA
Initial boiling point and boiling range	67-69C 153-157F
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: 1% Upper Explosive Limit: 11%
Flash Point	<23C <73F
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
pH	NA
Viscosity (cSt)	Not Available
Solubility in Water	Not Available

Partition coefficient n-octanol/water (Log Kow)	Not Available
Vapor pressure (Pa)	Not Available
Relative Density	0.980
Vapor Density	Greater than 1
Evaporation rate (Ether = 1)	> 1 (n-Butyl acetate = 1)
VOC Content	86%
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

Avoid prolonged exposure to heat and/or light.

Incompatible materials

Strong oxidizing agents, strong acids and alkalis

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.



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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.
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Carcinogen Data

CAS No.	Ingredient	Source	Value
67-64-1	Acetone	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	A4
84-74-2	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;
		ACGIH	No Established Limit
108-88-3	Toluene	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes;
		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

Possible routes of entry: No data available.

Symptoms and effects, both acute and delayed:

Treat symptomatically.

Inhalation May cause drowsiness or dizziness.
Eyes Causes serious eye irritation.
Skin Causes skin irritation.

Section 12. Ecological information

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, Pseudokirchneriella subcapitata
Toluene - (108-88-3)	5.50, Oncorhynchus kisutch	3.78, Ceriodaphnia dubia	10.00, Skeletonema costatum
Dibutyl phthalate < DBP > - (84-74-2)	0.48, Lepomis macrochirus	2.99, Daphnia magna	0.21, Scenedesmus acutus

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

	IMO / IMDG (Ocean Transportation)	ICAO/IATA	
DOT (Domestic Surface Transportation)			
UN number	UN1950	UN1950	UN1950
UN proper shipping name	UN1950, Aerosols, Limited Quantity, 2.1,	Aerosols, Limited Quantity	Aerosols, Limited Quantity
Transport hazard class(es)	DOT Hazard Class: 2.1 Sub Class: Not Applicable	IMDG: 2.1 Sub Class: Not Applicable	Air Class: 2.1 Sub Class: Not Applicable
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
0000067-64-1	Acetone	Yes		ACTIVE
0000084-74-2	Dibutyl phthalate < DBP >	Yes		ACTIVE
0000108-88-3	Toluene	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:

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.

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.

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.

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