Safety Data Sheet
Dryene II

SDS Revision Date: **06/01/2016**

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

1.1. Product identifier

Product Identity Dryene II

Alternate Names Embalming Chemical , Mixture

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

Intended use Application Method Arterial Embalming chemical.
See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name

The Dodge Chemical Company (Canada) Ltd.
1265 Fewster Drive
Mississauga ON L4W1A2

Emergency

CANUTEC (888) 226-8832

Customer Service:
The Dodge Chemical Company (Canada) Ltd. (800) 263-0862, (905) 625-0311

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Flam. Liq. 2;H225	Highly Flammable liquid and vapor.
Acute Tox. 3;H301	Toxic if swallowed.
STOT SE 1;H370	Causes damage to organs.
Aquatic Chronic 3;H412	Harmful to aquatic life with long lasting effects.

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2.2. Label elements

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

Danger

H225 Highly flammable liquid and vapor.

H301 Toxic if swallowed.

H370 Causes damage to organs.

H412 Harmful to aquatic life with long lasting effects.

[Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P241 Use explosion-proof electrical / ventilating / light / equipment.

P260 Do not breathe mist / vapors / spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this
product. P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P307+311 IF exposed: Call a POISON CENTER or doctor / physician.
P321 Specific treatment (see information on this label).

P330 Rinse mouth.

P370+378 In case of fire: Use alcohol resistant foam, CO2, powder, water spray for extinction. Do not use water jet.

[Storage]:

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

[Disposal]:

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

Dodge

3. Composition/information on ingredients

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
Methanol **CAS Number: 0000067-56-1**	**50 - 75**	**Flam. Liq. 2;H225** **Acute Tox. 3;H331** **Acute Tox. 3;H311** **Acute Tox. 3;H301** **STOT SE 1;H370**	**[1][2]**
Benzoic acid, 2-(acetyloxy)- **CAS Number: 0000050-78-2**	**10 - 25**		**[1][2]**
2-Phenoxyethanol **CAS Number: 0000122-99-6**	**1.0 - 10**	**Acute Tox. 4;H302** **Eye Irrit. 2;H319**	**[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 Never give anything by mouth to an unconscious person.

Eyes 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.

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

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

If chemical is swallowed, Call Physician Or Poison Control Center For Most Current Information. Ingestion is life threatening.

Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow.

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Victims Of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS with victim to health professional.

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

Overview

Acute: Severe irritation of the tissue that had contact with the product (skin, eyes, mucous membranes). Drowsiness, fatigue, confusion may be experienced after inhalation or ingestion of the material.

Chronic: Methanol is eliminated slowly from the body. Therefore repeated exposures may build up to toxic levels in body tissues. Animal studies shows long term exposures to Methanol damages the CNS, kidneys or liver, skin disorders, and birth defects.

Symptoms of Over Exposure by Route of Exposure: Methanol may be harmful if swallowed, inhaled, or injected into skin. Methanol can cause skin and eye irritation or damage. Methanol can be very irritating to mucous membranes and the respiratory tract.

Inhalation: Inhalation of Methanol vapors may lead to irritation of the nose and throat. Symptoms of overexposure may include dizziness, coughing, headache, dyspnea, lachrymation, nausea and vomiting. Exposure to high concentrations of this material vapor may cause unconsciousness or death.

Primary Routes of Entry: Inhalation, skin contact, eyes, ingestion.

Target Organs: CNS, eyes, circulatory and respiratory systems.

Contact With Skin or Eyes: Methanol is an eye and skin irritant. Splashes in the eye may cause eye irritation, redness, tearing, and temporary corneal damage or blindness.

Skin Absorption: Methanol is absorbed through the skin and may result in effects similar to inhalation exposure.

Ingestion: Ingestion of one to four ounces of Methanol can cause irreversible damage to the nervous system, blindness, or death. It cannot be made non-poisonous. Aspiration of the material into the lungs can cause chemical pneumonitis.

Injection: Injection of Methanol can lead to redness and irritation of the surrounding tissue. 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.

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Inhalation Causes damage to organs.

Ingestion Toxic if swallowed.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO^2, powder, water spray. Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Carbon Monoxide and Carbon Dioxide

Keep away from heat / sparks / open flames / hot surfaces - No smoking. Use explosion-proof electrical / ventilating / light / equipment.

Do not breathe mist / vapors / spray.

5.3. Advice for fire-fighters

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

ERG Guide No. 131

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

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.

7. Handling and storage

7.1. Precautions for safe handling

Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids.

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: This substance is not compatible with strong oxidizing agents, acetyl bromide, alkylaluminum solutions, beryllium hydride, boron trichloride, with carbon tetrachloride and metals, chloroform and sodium or sodium hydroxide, cyanuric chloride, dichloromethane and air, diethylzinc, hydrogen and raney nickel catalyst.

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

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingestion	Source	Value
0000050-78-2	Benzoic acid, 2-(acetyloxy)-	OSHA	No Established Limit
		ACGIH	TWA: 5 mg/m3
		NIOSH	TWA 5 mg/m3
		Supplier	No Established Limit
0000067-56-1	Methanol	OSHA	TWA 200 ppm (260 mg/m3)
		ACGIH	TWA: 200 ppmSTEL: 250 ppm Skin
		NIOSH	TWA 200 ppm (260 mg/m3) ST 250 ppm (325 mg/m3) [skin]
		Supplier	No Established Limit
0000122-99-6	2-Phenoxyethanol	OSHA	No Established Limit
		ACGIH	No Established Limit

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		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingestion	Source	Value
0000050-78-2	Benzoic acid, 2-(acetyloxy)-	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;
0000067-56-1	Methanol	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;
0000122-99-6	2-Phenoxyethanol	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]:

Dodge

9. Physical and chemical properties

Appearance	Clear Colorless Liquid
Odor	Alcohol Odor
Odor threshold	Not Measured
pH	N.A
Melting point / freezing point (°C)	N.A
Initial boiling point and boiling range (°C)	63-65C 145-149F
Flash Point	12C (54F)
Evaporation rate (Ether = 1)	5.9 (Bu Acetate=1)
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** 6% (methanol) **Upper Explosive Limit:** 36.5% (methanol)
Vapor pressure (Pa)	98 (methanol)
Vapor Density	Greater than 1
Specific Gravity	0.82-1.020
Solubility in Water	Miscible
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature (°C)	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
VOC %	90%

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.

Dodge

10.4. Conditions to avoid

Extreme heat may cause product to decompose, producing acrid smoke and irritating fumes.

10.5. Incompatible materials

This substance is not compatible with strong oxidizing agents, acetyl bromide, alkylaluminum solutions, beryllium hydride, boron trichloride, with carbon tetrachloride and metals, chloroform and sodium or sodium hydroxide, cyanuric chloride, dichloromethane and air, diethylzinc, hydrogen and raney nickel catalyst.

10.6. Hazardous decomposition products

Carbon Monoxide and Carbon Dioxide

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
Methanol - (67-56-1)	143.00, Human - Category: 3	15,800.00, Rabbit - Category: NA	128.00, Rat - Category: NA	No data available	64,000.00, Rat - Category: NA
Benzoic acid, 2-(acetyloxy)- - (50-78-2)	No data available	No data available	No data available	No data available	No data available
2-Phenoxyethanol - (122-99-6)	1,260.00, Rat - Category: 4	14,422.00, Rabbit - Category: NA	No data available	No data available	No data available

Item	Category	Hazard
Acute Toxicity (mouth)	3	Toxic if swallowed.
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)	1	Causes damage to organs.
Specific target organ systemic Toxicity (repeated exposure)	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Methanol - (67-56-1)	100.00, Pimephales promelas	10,000.00, Daphnia magna	16.912 (96 hr), Ulva pertusa
Benzoic acid, 2-(acetyloxy)- - (50-78-2)	Not Available	Not Available	Not Available
2-Phenoxyethanol - (122-99-6)	100.00, Leuciscus idus	500.00, Daphnia magna	500.00 (72 hr), Scenedesmus subspicatus

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.

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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 UN1992

14.2. UN proper shipping name Flammable liquids, toxic, n.o.s.,(Contains Methyl Alcohol)

14.3. Transport hazard class(es)

DOT (Domestic Surface Transportation)

DOT Proper Shipping	Flammable liquids, Methyl Alcohol)
DOT Hazard Class	3
DOT Label	3, 6.1
UN / NA Number	UN1992
DOT Packing Group	II
CERCLA/DOT RQ	951 gal. / 7924 lbs.

IMO / IMDG (Ocean Transportation)

IMDG Proper Shipping Name	Flammable liquids, toxic, n.o.s.,(Contains Methyl Alcohol)
IMDG Hazard Class	3
Sub Class	6.1
IMDG Packing Group	II

14.4. Packing group II

14.5. Environmental hazards

IMDG Marine Pollutant:

14.6. Special precautions for user

Not Applicable

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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 B2

US EPA Tier II Hazards

Fire: Yes
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs) (>0.1%) :

Methanol (5,000.00)

EPCRA 302 Extremely Hazardous (>.1%) :

(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :

Methanol

Proposition 65 - Carcinogens (>0.0%):

(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%):

Benzoic acid, 2-(acetyloxy)-

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

Benzoic acid, 2-(acetyloxy)-

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

Benzoic acid, 2-(acetyloxy)-

N.J. RTK Substances (>1%) :

Methanol

Penn RTK Substances (>1%) :

Benzoic acid, 2-(acetyloxy)-

Methanol

Dodge

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.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H370 Causes damage to organs.

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

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