Dodge

Safety Data Sheet
Dryene Basic

SDS Revision Date: 10/03/2018

1. Identification

1.1. Product identifier

Product Identity	Dryene Basic
Alternate Names	Cauterant Mixture

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

Intended use	Cauterant. For professional use only.
Application Method	See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name	Dodge Chemical Company (Canada) Ltd. The Dodge Chemical Company (Canada) Ltd. 1265 Fewster Drive Mississauga ON L4W 1A2
Emergency	
CHEMTREC (USA)	(800) 424-9300
24 hour Emergency Telephone No.	(888) 226-8832 (CANUTEC)
Customer Service: Dodge Chemical Company (Canada) Ltd.	(800) 263-0862, (905) 625-0311

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flam. Liq. 2;H225	Highly Flammable liquid and vapor.
Acute Tox. 3;H301	Toxic if swallowed.
Acute Tox. 3;H311	Toxic in contact with skin.
Acute Tox. 3;H331	Toxic if inhaled.
Skin Corr. 1B;H314	Causes severe skin burns and eye damage.
Eye Dam. 1;H318	Causes serious eye damage.
Muta. 2;H341	Suspected of causing genetic defects.
STOT SE 1;H370	Causes damage to organs. Specific Target Organs: (Not Available)
STOT RE 2;H373	May cause damage to organs through prolonged or repeated exposure. Specific Target Organs: (Not Available)
Aquatic Chronic 2;H411	Toxic to aquatic life with long lasting effects.

2.2. Label elements

Danger

H225 Highly flammable liquid and vapor.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H341 Suspected of causing genetic defects.
H370 Causes damage to organs.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

[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 / hot surfaces - No smoking.
P233 Keep container tightly closed.
P240 Ground / bond container and receiving equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P270 Do not eat, drink or smoke when using this product.
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]:
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
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+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
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+311 If exposed or concerned: Call a POISON CENTER or doctor / physician.
P310 Immediately call a POISON CENTER or doctor / physician.
P314 Get Medical advice / attention if you feel unwell.
P391 Collect spillage.
[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.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Controlled Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Methanol **CAS Number: 0000067-56-1** **Synonyms: methanol (as methanol), METHYL ALCOHOL, Methanol**	**45 - 70**	**Flam. Liq. 2;H225** **Acute Tox. 3;H331** **Acute Tox. 3;H311** **Acute Tox. 3;H301** **STOT SE 1;H370 (> 10%)**	**[1][2][3]**
Phenol **CAS Number: 0000108-95-2** **Synonyms: Acide carbolique, Phenol**	**10 - 30**	**Muta. 2;H341** **Acute Tox. 3;H331** **Acute Tox. 3;H311** **Acute Tox. 3;H301** **STOT RE 2;H373** **Skin Corr. 1B;H314**	**[1][2]**

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

Section 4. First aid measures

4.1. 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 or milk. Contact a physician immediately. Do not induce vomiting.

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

Overview INHALATION: Causes irritation of the mucous membranes. Can cause dizziness, nausea, visual impairment, respiratory failure, muscular incoordination, and narcosis.
SKIN: Phenol is rapidly absorbed through skin. Causes burns, poisoning through skin, and dermatitis.
EYE CONTACT: Liquid is corrosive to eyes. May cause corneal damage or blindness. Vapors can cause redness and irritation.

	INGESTION: Poisonous. Causes burning in mouth and throat, stomach pain, diarrhea, dizziness, headache and blindness. Can cause death. Chronic Overexposure: Poisoning by prolonged exposures to low concentrations of phenol vapors and mists 1) may result in digestive disturbances, nervous disorders, and skin eruptions, and 2) can cause damage to kidneys, and liver. May be fatal. Chronic overexposure to methanol may cause eye damage in humans. **Speed in removing phenol is of primary importance** Reproductive or genetic defect hazard. Treat symptomatically.
Inhalation	Toxic if inhaled. Causes damage to organs.
Eyes	Causes serious eye damage.
Skin	Toxic in contact with skin. Causes severe skin burns and eye damage.
Ingestion	Toxic if swallowed.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Dry chemical, foam or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

5.3. Advice for fire-fighters

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

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.

Absorb with suitable material and containerize for disposal with a RCRA-approved waste disposal facility.

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.

7.2. Conditions for safe storage, including any incompatibilities

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.

7.3. Specific end use(s)

No data available.

Section 8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000067-56-1	Methanol	OSHA	TWA 200 ppm (260 mg/m3)
		ACGIH	TWA: 200 ppm STEL: 250 ppm
		NIOSH	TWA 200 ppm (260 mg/m3) ST 250 ppm (325 mg/m3) [skin]
0000108-95-2	Phenol	OSHA	TWA 5 ppm (19 mg/m3) [skin]
		ACGIH	TWA: 5 ppm
		NIOSH	TWA 5 ppm (19 mg/m3) C 15.6 ppm (60 mg/m3) [15-minute] [skin]

8.2. 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.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Yellow to amber Liquid
Odor	Highly perfumed and phenolic
Odor threshold	Not determined
pH	N.A.
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	156 - 160F (69 - 71C)
Flash Point	56 - 60F (13 - 16C)
Evaporation rate (Ether = 1)	Partial > 1 (Bu Acetate=1)
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** 1.7 (methanol) **Upper Explosive Limit:** 36 (methanol)
Vapor pressure (Pa)	138 mm Hg (methanol)
Vapor Density	Greater than 1
Specific Gravity	0.890 - 0.905
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
VOC Content	71%

9.2. Other information

Material in powder form is hygroscopic.

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

Extreme heat may cause product to decompose, producing acrid smoke and irritating fumes. Avoid exposure to light, ignition sources, dust generation, excess heat, and exposure to moist air or water.

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

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

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
Methanol - (67-56-1)	2,769.00, Rat - Category: 5	17,100.00, Rabbit - Category: NA	No data available	No data available	64,000.00, Rat - Category: NA
Phenol - (108-95-2)	530.00, Rat - Category: 4	630.00, Rat - Category: 3	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-56-1	Methanol	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;
0000108-95-2	Phenol	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;

Classification	Category	Hazard Description
Acute toxicity (oral)	3	Toxic if swallowed.
Acute toxicity (dermal)	3	Toxic in contact with skin.
Acute toxicity (inhalation)	3	Toxic if inhaled.
Skin corrosion/irritation	1B	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	2	Suspected of causing genetic defects.

Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	1	Causes damage to organs.
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

INHALATION: Causes irritation of the mucous membranes. Can cause dizziness, nausea, visual impairment, respiratory failure, muscular incoordination, and narcosis.
SKIN: Phenol is rapidly absorbed through skin. Causes burns, poisoning through skin, and dermatitis.
EYE CONTACT: Liquid is corrosive to eyes. May cause corneal damage or blindness. Vapors can cause redness and irritation.
INGESTION: Poisonous. Causes burning in mouth and throat, stomach pain, diarrhea, dizziness, headache and blindness. Can cause death.
Chronic Overexposure: Poisoning by prolonged exposures to low concentrations of phenol vapors and mists 1) may result in digestive disturbances, nervous disorders, and skin eruptions, and 2) can cause damage to kidneys, and liver. May be fatal. Chronic overexposure to methanol may cause eye damage in humans.

Section 12. Ecological information

12.1. Toxicity

Toxic 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)	15,400.00, Lepomis macrochirus	18,260.00, Daphnia magna	22,000.00 (96 hr), Pseudokirchneriella subcapitata
Phenol - (108-95-2)	3.73, Oncorhynchus gorbuscha	3.29, Ceriodaphnia dubia	46.42 (96 hr), Pseudokirchneriella 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 PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

Section 13. Disposal considerations

13.1. Waste treatment methods

Not listed as a material banned from land disposal according to RCRA.

Section 14. Transport information

	TDG (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1992	UN1992	UN1992
14.2. UN proper shipping name	UN1992, Flammable liquids, toxic, n.o.s., (Methyl Alcohol/Phenol), 3, II	Flammable liquids, toxic, n.o.s., (Methyl Alcohol/Phenol)	Flammable liquids, toxic, n.o.s., (Methyl Alcohol/Phenol)
14.3. Transport hazard class(es)	**TDG Hazard Class:** 3	**IMDG:** 3 **Sub Class:** Not Applicable	**Air Class:** 3
14.4. Packing group	II	II	II

14.5. Environmental hazards

IMDG Marine Pollutant: Yes; (Phenol)

14.6. Special precautions for user

No further information

Section 15. Regulatory information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

WHMIS 1988 Classification B2 D1B E

Canadian Domestic Substance List (DSL):

Methanol

Phenol

Water

Canadian Non-Domestic Substance List (NDSL):

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

Section 16. Other information

SDS Revision Date 10/03/2018

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H331 Toxic if inhaled.

H341 Suspected of causing genetic defects.

H370 Causes damage to organs.

H371 May cause damage to organs.

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

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