

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/01/2011 Revision date: 10/07/2018 Supersedes: 06/07/2018 Version: 4.2

DLM-1935

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Substance

Substance name : 1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE

EC Index-No. : 602-025-00-8 (Unlabeled) EC-No. : 200-864-0 (Unlabeled)

 CAS-No.
 : 22280-73-5

 Product code
 : DLM-1935

 Formula
 : CD2=CCl2

 Synonyms
 : Vinylidene chloride

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

1.2.1. Relevant identified uses

Main use category : Professional use

Industrial/Professional use spec : For professional use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Cambridge Isotope Laboratories, Inc.

50 Frontage Road Andover, MA 01810

USA

Emergency telephone number

Emergency numbers:

Chemtrec: 1-800-424-9300 (24 hours) International: 1-703-741-5970 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 1 H224
Acute Tox. 3 (Oral) H301
Skin Irrit. 2 H315
Eye Irrit. 2 H319
Carc. 2 H351

Full text of hazard classes and H-statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.3; R40 F+; R12 T; R25 Xi; R36/38

Full text of R-phrases: see section 16

GHS-US classification

Flam. Liq. 1 H224 Acute Tox. 3 (Oral) H301 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Carc. 2 H351

Full text of H statements : see section 16

10/07/2018 EN (English US) 1/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Adverse physicochemical, human health and environmental effects

Liver, Kidney, Central nervous system.

2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)







GHS02

GHS08

GHS06

Signal word (CLP) : Danger

Hazard statements (CLP) : H224 - Extremely flammable liquid and vapour

H301 - Toxic if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation

H351 - Suspected of causing cancer (in contact with skin, if inhaled, if swallowed)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Precautionary statements (CLP)

smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical, ventilating, lighting equipment P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product.

P280 - Wear eye protection, face protection, protective clothing, protective gloves. P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER.

GHS-US labeling

Hazard pictograms (GHS-US)







Signal word (GHS-US) : Danger

H224 - Extremely flammable liquid and vapour Hazard statements (GHS-US)

> H301 - Toxic if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation

H351 - Suspected of causing cancer (Dermal, Inhalation, oral)

Precautionary statements (GHS-US) P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment

P241 - Use explosion-proof electrical, lighting, ventilating equipment

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product.

P280 - Wear eye protection, face protection, protective clothing, protective gloves.

P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER

P302+P352 - If on skin: Wash with plenty of water

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse

skin with water/shower

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing

P308+P313 - If exposed or concerned: Get medical advice/attention.

P321 - Specific treatment (see Hazardous component(s) for labeling on this label)

P330 - Rinse mouth.

P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362 - Take off contaminated clothing and wash before reuse.

P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry

extinguishing powder to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

10/07/2018 EN (English US) 2/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. **Substances**

Name	Product identifier	%	Classification according to Directive 67/548/EEC
1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE	(CAS-No.) 22280-73-5 (EC-No.) 200-864-0 (Unlabeled) (EC Index-No.) 602-025-00-8 (Unlabeled)	100	Carc.Cat.3; R40 F+; R12 T; R25 Xi; R36/38
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE	(CAS-No.) 22280-73-5 (EC-No.) 200-864-0 (Unlabeled) (EC Index-No.) 602-025-00-8 (Unlabeled)	100	Flam. Liq. 1, H224 Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351

Full text of R- and H- phrases: see section 16

Name	Product identifier	%	GHS-US classification
1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE (Main constituent)	(CAS-No.) 22280-73-5	100	Flam. Liq. 1, H224 Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351

Full text of H-phrases: see section 16

Mixtures

Not applicable

SECTION 4: First aid measures

4.1.	Descri	ption of	first aid	measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Call a doctor.

First-aid measures after skin contact Rinse skin with water/shower. Take immediately victim to hospital. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Gently wash with plenty of soap and water, Get immediate medical advice/attention.

Get medical advice/attention. Specific treatment (see Hazard pictograms (CLP) on this label). : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if First-aid measures after eye contact present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. First-aid measures after ingestion Call a physician immediately. Obtain emergency medical attention. Immediately call a poison center or doctor/physician. Specific treatment (see Hazard pictograms (CLP) on this label).

Most important symptoms and effects, both acute and delayed

Symptoms/effects : Suspected of causing cancer (in contact with skin, if inhaled, if swallowed).

Symptoms/effects after inhalation : Harmful if inhaled. May cause respiratory irritation.

Symptoms/effects after skin contact : Causes skin irritation. Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health

hazard.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Dry powder. Dry sand. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

10/07/2018 EN (English US) 3/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapor-air mixture.

Reactivity : Extremely flammable liquid and vapour.

5.3. Advice for firefighters

Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing. Wear recommended personal protective equipment.

Other information : Use water spray to cool exposed surfaces.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No

smoking

6.1.1. For non-emergency personnel

Emergency procedures : Wear respiratory protection. Do not breathe dust, mist, gas, spray, vapors, fume. Avoid contact

with skin, eyes and clothing. Ventilate spillage area. Remove all sources of ignition. No open flames, no sparks, and no smoking. Ensure adequate air ventilation. Special attention should

be given to low areas/pits where flammable vapors can accumulate.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Dike and contain spill.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters. This material and its container must be disposed of in a safe way, and as per local

legislation.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid all eye and skin contact and do not breathe vapor and mist. Keep away from sources of ignition - No smoking. Take precautionary measures to prevent the formation of static

electricity. Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling : No open flames. No smoking. Take precautionary measures against static discharge. Use only

non-sparking tools. Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood.

Hygiene measures : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Do not eat, drink or smoke

when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Containers which are opened should be properly

container tightly closed. Store locked up. Containers which are opened should be properly resealed and kept upright to prevent leakage.

: Store in freezer (-20 C). Protect from light.

Incompatible materials : Heat sources.
Storage area : Under inert gas.

Special rules on packaging : Over pressure may rupture containers, cause serious injury, cause or accelerate fire. Contains :

Stabilizer. Hydroquinone methylether/Mequinol.

7.3. Specific end use(s)

Storage conditions

No additional information available

10/07/2018 EN (English US) 4/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE (22280-73-5)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	5.00000000 ppm USA. ACGIH Threshold Limit Values (TLV)
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Liver & Kidney damage. Not classifiable as a human carcinogen.
USA OSHA	OSHA PEL (TWA) (mg/m³)	4 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	1 ppm
USA OSHA	Remark (OSHA)	Potential Occupational Carcinogen. See Appendix A.

8.2. Exposure controls

Appropriate engineering controls : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

Personal protective equipment : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.









Materials for protective clothing : Wear suitable protective clothing and gloves. Hand protection : Wear suitable protective clothing and gloves.

Eye protection : Wear eye protection. Chemical goggles or face shield with safety glasses.

Skin and body protection : Wear suitable protective clothing, gloves and eye/face protection.

Respiratory protection : In case of inadequate ventilation wear respiratory protection. Approved supplied air respirator.

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid

Molecular mass : 98.96 g/mol (Labeled)

Color : Colorless

Odor : No data available
Odor threshold : No data available
pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : -122 °C (-188 °F) - lit.
Freezing point : No data available
Boiling point : 30 - 32 °C (86 - 90 °F) - lit

Flash point : -19 °C (-2 °F) - closed cup

Auto-ignition temperature : 520 - 580 °C (968 - 1,076 °F)

Decomposition temperature : No data available

Flammability (solid, gas) : Extremely flammable liquid and vapour

Vapor pressure : 658.6 hPa (494.0 mmHg); 667.3 hPa (500.5 mmHg) at 20.0 °C (68.0 °F); 2,137.4 hPa (1,603.2

mmHg) at 55.0 °C (131.0 °F)

Relative vapor density at 20 °C : No data available Relative density : No data available

Specific gravity / density : 1.213 g/ml at $20 ^{\circ}\text{C}$ (68 $^{\circ}\text{F}$) Solubility : Water: 0.2 g/l at $20 ^{\circ}\text{C}$ (68 $^{\circ}\text{F}$)

Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosion limits : 6.5 - 15.5 % (V)

10/07/2018 EN (English US) 5/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity

Extremely flammable liquid and vapour.

Chemical stability

One year after receipt of order if stored as stated in "Storage" section. Re-QC after one year.

Possibility of hazardous reactions

May form flammable/explosive vapor-air mixture.

Conditions to avoid

Sparks. Heat. Direct sunlight. Overheating. Open flame. Air contact. Moisture sensitive.

Incompatible materials

Oxidizing agents, Copper, Aluminum/Al alloys, Peroxides, Strong bases, Oxygen.

Hazardous decomposition products

Carbon oxides (CO, CO2). Hydrogen chloride gas.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity · Oral: Toxic if swallowed

Acute toxicity	: Oral: Toxic if swallowed.		
1,1-DICHLOROETHYLENE (2,2-D2, 98%) + H	1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE (22280-73-5)		
LD50 oral rat	200 mg/kg		
ATE CLP (oral)	200.000 mg/kg body weight		
Skin corrosion/irritation	: Causes skin irritation.		
Serious eye damage/irritation	: Causes serious eye irritation.		
	No data available		
Respiratory or skin sensitization	: Lung irritation		
Germ cell mutagenicity	: Laboratory experiments have shown mutagenic effects.		
Carcinogenicity	: This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification. Limited evidence of carcinogenicity in animal studies.		
Reproductive toxicity	: Not available		
Specific target organ toxicity – single exposure	: Not classified		
	No data available		
Specific target organ toxicity – repeated	: Not classified		
exposure	No data available		
Aspiration hazard	: Not classified		
Potential Adverse human health effects and symptoms	: Nausea. Vomiting. Headache. Dizziness. Drowsiness. Confusion. Incoordination. Central nervous system depression. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Toxic if swallowed. Stomach - Irregularities - Based on Human Evidence.		
Symptoms/effects after inhalation	: Harmful if inhaled. May cause respiratory irritation.		
Symptoms/effects after skin contact	: Causes skin irritation.		
Symptoms/effects after eye contact	: Causes serious eye irritation.		
Symptoms/effects after ingestion	: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health		

SECTION 12: Ecological information

Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

hazard.

1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE (22280-73-5)	
LC50 fish 1	11.6 - 11.79 mg/l Daphnia magna (Water flea)
LC50 other aquatic organisms 1	74 - 220 mg/l Lepomis macrochirus (Bluegill)
EC50 Daphnia 1	11.6 mg/l Daphnia magna (Water flea) - 48 h

10/07/2018 EN (English US) 6/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE (22280-73-5)	
EC50 other aquatic organisms 1	224 - 250 mg/l other fish
LC50 fish 2	108 - 169 mg/l Pimephales promelas (fathead minnow) - 96 h
LC50 other aquatic organisms 2	249 mg/l Cyprinodon variegatus (sheepshead minnow)
NOEC (acute)	80 mg/l Cyprinodon variegatus (sheepshead minnow) - 96 h

12.2. Persistence and degradability

1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE (22280-73-5)	
Persistence and degradability	Not available.

12.3. Bioaccumulative potential

1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE (22280-73-5)	
Bioaccumulative potential	Not available.

12.4. Mobility in soil

1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE (22280-73-5)	
Ecology - soil	Not available.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Waste materials should be disposed of under conditions which meet Federal, State, and local

environmental control regulations.

Additional information : Handle empty containers with care because residual vapors are flammable.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No.(DOT) : 1303 DOT NA no. UN1303

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Vinylidene chloride, stabilized

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : I - Great Danger

DOT Special Provisions (49 CFR 172.102) : T12 - 6 178.274(d)(2) 178.275(d)(3) 178.275(g)(3).

TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C

(59 F) and 50 C (122 F), respectively.

TP7 - The vapor space must be purged of air by nitrogen or other means.

DOT Packaging Exceptions (49 CFR 173.xxx) : 150
DOT Packaging Non Bulk (49 CFR 173.xxx) : 201
DOT Packaging Bulk (49 CFR 173.xxx) : 243
DOT RQ : 100 lbs
Marine pollutant : No

10/07/2018 EN (English US) 7/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

14.3. Additional information

Emergency Response Guide (ERG) Number : 130P

Other information : No supplementary information available.

Overland transport

Packing group (ADR) : I

Class (ADR) : 3 - Flammable liquid

Hazard identification number (Kemler No.) : 339
Classification code (ADR) : F1

Hazard labels (ADR) : 3 - Flammable liquids



Orange plates

339 1303

Tunnel restriction code (ADR) : D/E
Limited quantities (ADR) 0

EAC : 2YE
Excepted quantities (ADR) : E3

Transport by sea

DOT Vessel Stowage Location : E - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length, but is prohibited from carriage on passenger vessels in which the limiting number of passengers is exceeded.

DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

MFAG-No : 130P

Air transport

DOT Quantity Limitations Passenger aircraft/rail : 1 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 30 L

CFR 175.75)

Civil Aeronautics Law : Flammable liquids

14.4. Environmental hazards

Other information : No supplementary information available.

14.5. Special precautions for user

14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE (22280-73-5)		
Subject to reporting requirements of United States SARA Section 313		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard	

10/07/2018 EN (English US) 8/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.2. International regulations

CANADA

1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE (22280-73-5)

Listed on the Canadian DSL (Domestic Substances List)

15.2.1. **National regulations**

No additional information available

15.3. US State regulations

1,1-DICHLOROETHYLENE (2,2-D2, 98%) + HYDROQUINONE(22280-73-5)		
U.S California - Proposition 65 - Carcinogens List	Yes	
U.S California - Proposition 65 - Developmental Toxicity	No	
U.S California - Proposition 65 - Reproductive Toxicity - Female	No	
U.S California - Proposition 65 - Reproductive Toxicity - Male	No	
State or local regulations	U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List U.S New Jersey - Right to Know Hazardous Substance List	

SECTION 16: Other information

Other information

: This product is not radioactive. The data given for this product are those of the corresponding unlabeled compound, unless specifically indicated otherwise. Health and safety data for labeled compounds are generally not available, but are assumed to be similar or identical to the corresponding unlabeled compound.

Full text of R-, H- and EUH-phrases:

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 1	Flammable liquids Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
H224	Extremely flammable liquid and vapour
H301	Toxic if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H351	Suspected of causing cancer
R12	Extremely flammable
R25	Toxic if swallowed
R36/38	Irritating to eyes and skin
R40	Limited evidence of a carcinogenic effect
F+	Extremely flammable
Т	Toxic
Xi	Irritant

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause

temporary incapacitation or residual injury.

: 4 - Materials that rapidly or completely vaporize at NFPA fire hazard atmospheric pressure and normal ambient temperature or

that are readily dispersed in air and burn readily.

NFPA reactivity : 0 - Material that in themselves are normally stable, even

under fire conditions.



Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 4 Severe Hazard Physical : 2 Moderate Hazard

10/07/2018 EN (English US) 9/10

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 and according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

CIL Substance SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

10/07/2018 EN (English US) 10/10