



ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O)

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: 13/01/2011

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Supersedes: 13/01/2011

Version: 2.0

DLM-855

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

1.1. Product identifier

Product form : Substance
Substance name : ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O)
EC Index No : 607-061-00-8 (Unlabeled)
EC No : 201-177-9 (Unlabeled)
CAS No : 204259-63-2
Product code : DLM-855
Formula : D2C=CDCOOH

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

USA: 1-800-322-1174 Int: 1-978-749-8000

cilsales@isotope.com www.isotope.com

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. 3 H226
Acute Tox. 4 (Oral) H302
Acute Tox. 4 (Dermal) H312
Acute Tox. 4 (Inhalation) H332
Skin Corr. 1A H314
Aquatic Acute 1 H400 (M=10)

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

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

R10
Xn; R20/21/22
C; R35
N; R50

Full text of R-phrases: see section 16

GHS-US classification

Flam. Liq. 3 H226
Acute Tox. 4 (Oral) H302
Acute Tox. 4 (Dermal) H312
Acute Tox. 4 (Inhalation) H332
Skin Corr. 1A H314
Aquatic Acute 1 H400

Full text of H statements : see section 16

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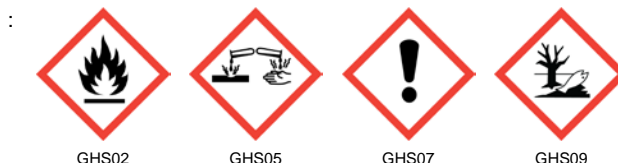
Adverse physicochemical, human health and environmental effects

Liver, Kidney.

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

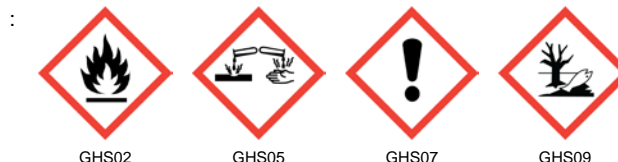
: H226 - Flammable liquid and vapour
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
H314 - Causes severe skin burns and eye damage
H400 - Very toxic to aquatic life

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, 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, lighting, ventilating equipment
P260 - Do not breathe dust, fume, gas, mist, spray, vapours
P264 - Wash Both hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area

GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H226 - Flammable liquid and vapour
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled
H314 - Causes severe skin burns and eye damage
H400 - Very toxic to aquatic life

Precautionary statements (GHS-US)

: 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
P260 - Do not breathe dust, fume, gas, mist, spray, vapours
P261 - Avoid breathing dust, fume, gas, mist, spray, vapours
P264 - Wash Both hands thoroughly after handling
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 clothing, protective gloves
P301+P312 - If swallowed: Call a poison center/doctor/... if you feel unwell
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
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
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a poison center/doctor/...
P312 - Call a poison center/doctor/... if you feel unwell
P321 - Specific treatment (see Hazard pictograms (CLP) on this label)
P330 - Rinse mouth
P362+P364 - Take off contaminated clothing and wash it before reuse

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P363 - Wash contaminated clothing before reuse
P370+P378 - In case of fire: Use Alcohol resistant foam, Carbon dioxide, Dry powder. to extinguish
P391 - Collect spillage
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container to Comply with applicable regulations

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O)
CAS No : 204259-63-2
EC No : 201-177-9 (Unlabeled)
EC Index No : 607-061-00-8 (Unlabeled)

Name	Product identifier	%	Classification according to Directive 67/548/EEC
ACRYLIC ACID (2,3,3-D3, 98%)	(CAS No) 204259-63-2 (EC No) 201-177-9 (Unlabeled) (EC Index No) 607-061-00-8 (Unlabeled)	99.9	R10 Xn; R20/21/22 C; R35 N; R50
4-METHOXYPHENOL UNLABELED	(CAS No) 150-76-5 (EC No) 205-769-8 (EC Index No) 604-044-00-7	0.1	Xn; R22 Xi; R36 R43 Repr.Cat.3; R62 Repr.Cat.3; R63 R52/53 N; R51/53

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ACRYLIC ACID (2,3,3-D3, 98%)	(CAS No) 204259-63-2 (EC No) 201-177-9 (Unlabeled) (EC Index No) 607-061-00-8 (Unlabeled)	99.9	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Aquatic Acute 1, H400 (M=10)
4-METHOXYPHENOL UNLABELED	(CAS No) 150-76-5 (EC No) 205-769-8 (EC Index No) 604-044-00-7	0.1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 2, H361fd Aquatic Chronic 3, H412

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

Name : ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O)
CAS No : 204259-63-2
EC No : 201-177-9 (Unlabeled)
EC Index No : 607-061-00-8 (Unlabeled)

Name	Product identifier	%	GHS-US classification
ACRYLIC ACID (2,3,3-D3, 98%)	(CAS No) 204259-63-2	99.9	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Aquatic Acute 1, H400
4-METHOXYPHENOL UNLABELED	(CAS No) 150-76-5	0.1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Acute 2, H401 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O)

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
- First-aid measures after inhalation : If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
- First-aid measures after skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
- First-aid measures after eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
- First-aid measures after ingestion : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

- Symptoms/injuries after inhalation : Toxic if inhaled. Extremely destructive to tissue of mucous membranes and upper respiratory tract.
- Symptoms/injuries after skin contact : Toxic if absorbed through the skin. Causes skin burns.
- Symptoms/injuries after eye contact : Causes eye burns.
- Symptoms/injuries after ingestion : Toxic if swallowed. Causes burns.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

- Reactivity : Reacts violently in contact with acids, amines, driers, polymerisation accelerators and easily oxidized materials. Polymerisation can occur. Vapors may form explosive mixture with air.

5.3. Advice for firefighters

- Firefighting instructions : Wear self contained breathing apparatus for fire fighting if necessary.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Flash back possible over considerable distance. Container explosion may occur under fire conditions.

6.1.1. For non-emergency personnel

- Emergency procedures : Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

- Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

- For containment : Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent build up of electrostatic charge.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed in a cool, dry and well-ventilated place.
Storage conditions : Store refrigerated (-5°C to 5°C) and desiccated.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O) (204259-63-2)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	2.00000000 ppm Upper Respiratory Tract irritation. Not classifiable as a human carcinogen. Danger of cutaneous absorption. USA. ACGIH Threshold Limit Values (TLV)
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	6 mg/m ³ Potential for dermal absorption. USA. NIOSH Recommended Exposure Limits.
USA NIOSH	NIOSH REL (TWA) (ppm)	2 ppm Potential for dermal absorption. USA. NIOSH Recommended Exposure Limits.
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm Skin notation.
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	5.9 mg/m ³ Skin. California permissible exposure limits for chemical contaminants.
USA OSHA	OSHA PEL (Ceiling) (ppm)	2 ppm Skin. California permissible exposure limits for chemical contaminants.

4-METHOXYPHENOL UNLABELED (150-76-5)		
Belgium	Limit value (mg/m ³)	5 mg/m ³ (4-Méthoxyphénol; Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m ³)	5 mg/m ³ (4-Méthoxyphénol; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ Eye irritation. Skin damage. (4-Methoxyphenol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	5 mg/m ³ USA. NIOSH Recommended Exposure Limits.
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	5 mg/m ³ California permissible exposure limits for chemical contaminants (Title 8, Article 107)

ACRYLIC ACID (2,3,3-D3, 98%) (204259-63-2)		
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	2.00000000 ppm Upper Respiratory Tract irritation. Not classifiable as a human carcinogen. Danger of cutaneous absorption. USA. ACGIH Threshold Limit Values (TLV)
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	6 mg/m ³ Potential for dermal absorption. USA. NIOSH Recommended Exposure Limits.
USA NIOSH	NIOSH REL (TWA) (ppm)	2 ppm Potential for dermal absorption. USA. NIOSH Recommended Exposure Limits.
USA OSHA	OSHA PEL (TWA) (ppm)	10 ppm Skin notation.
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	5.9 mg/m ³ Skin. California permissible exposure limits for chemical contaminants.
USA OSHA	OSHA PEL (Ceiling) (ppm)	2 ppm Skin. California permissible exposure limits for chemical contaminants.

8.2. Exposure controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment : Gloves. Protective clothing. Protective goggles. Self-contained breathing apparatus.



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

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Hand protection	: Wear suitable protective clothing and gloves.
Eye protection	: Wear safety glasses with side shields (or goggles) and a face shield.
Skin and body protection	: Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	: When appropriate, use NIOSH/CEN approved respirator.
Environmental exposure controls	: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid, clear.
Molecular mass	: 75.08 g/mol (Labeled)
Colour	: Colourless.
Odour	: Stench.
Odour threshold	: No data available
pH	: 1.0 - 2 at 500 g/l
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 13 °C (55 °F) - lit.
Freezing point	: No data available
Boiling point	: 139 °C (282 °F) - lit.
Flash point	: 46 °C (115 °F) - closed cup
Auto-ignition temperature	: 396 °C (745 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 5 hPa (4 mmHg) at 20 °C (68 °F); 53 hPa (40 mmHg) at 60 °C (140 °F)
Relative vapour density at 20 °C	: 2.49 - (Air = 1.0)
Relative density	: No data available
Density	: 1.051 g/ml at 25 °C (77 °F)
Solubility	: Water: Completely miscible
Log Pow	: 0.46
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 2 - 13.7 % (V)

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts violently in contact with acids, amines, driers, polymerisation accelerators and easily oxidized materials. Polymerisation can occur. Vapors may form explosive mixture with air.

10.2. Chemical stability

Stable if stored under recommended conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Strong oxidizing agents, Strong bases, Oxygen, Polymerizing initiators, Peroxide.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO2).

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O) (204259-63-2)	
LD50 oral rat	357 mg/kg
LC50 inhalation rat (mg/l)	> 5.1 mg/l/4h (OECD Test Guideline 403)
ATE CLP (oral)	357.000 mg/kg bodyweight
ATE CLP (dermal)	1100.000 mg/kg bodyweight
ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h

4-METHOXYPHENOL UNLABELED (150-76-5)	
LD50 oral rat	1600 mg/kg
LD50 dermal rat	> 2000 mg/kg (Directive 67/548/EEC, Annex V, B.3.)
ATE CLP (oral)	1600.000 mg/kg bodyweight

ACRYLIC ACID (2,3,3-D3, 98%) (204259-63-2)	
LD50 oral rat	357 mg/kg
LC50 inhalation rat (mg/l)	> 5.1 mg/l/4h (OECD Test Guideline 403)
ATE CLP (oral)	357.000 mg/kg bodyweight
ATE CLP (dermal)	1100.000 mg/kg bodyweight
ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h

Skin corrosion/irritation	: Skin - Rabbit Result: Causes severe burns. 3 min. (OECD Test Guideline 404) pH: 1.0 - 2 at 500 g/l
Serious eye damage/irritation	: Eyes - Rabbit Result: Corrosive. 18 - 24 h pH: 1.0 - 2 at 500 g/l
Respiratory or skin sensitisation	: Guinea pig Result: Does not cause skin sensitisation. Did not cause sensitization on laboratory animals. No data available
Germ cell mutagenicity	: Laboratory experiments have shown mutagenic effects. Hamster Ovary Result: negative. Mouse - male and female. Result: Negative
Carcinogenicity	: This product is or contains a component that is not classifiable as to its carcinogenicity on its IARC, ACGIH, NTP, or EPA classification.
Reproductive toxicity	: Not available
STOT-single exposure	: Not classified No data available
STOT-repeated exposure	: Not classified No data available
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Burning sensation. Cough. Wheezing. Laryngitis. Shortness of breath. Spasm. Inflammation and edema of the larynx. Inflammation and edema of the bronchi. Pneumonitis. Pulmonary edema. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Spasm, inflammation and edema of the larynx, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Liver - Irregularities - Based on Human Evidence. Stomach - Irregularities - Based on Human Evidence.
Symptoms/injuries after inhalation	: Toxic if inhaled. Extremely destructive to tissue of mucous membranes and upper respiratory tract.
Symptoms/injuries after skin contact	: Toxic if absorbed through the skin. Causes skin burns.
Symptoms/injuries after eye contact	: Causes eye burns.
Symptoms/injuries after ingestion	: Toxic if swallowed. Causes burns.

SECTION 12: Ecological information

12.1. Toxicity

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O)

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ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O) (204259-63-2)	
EC50 other aquatic organisms 1	0.205 mg/l static test EC50 - Desmodesmus subspicatus (green algae) - 72 h
ErC50 (algae)	0.04 mg/l Desmodesmus subspicatus (green algae) - 96 h

4-METHOXYPHENOL UNLABELED (150-76-5)	
LC50 fish 1	28.5 mg/l Oncorhynchus mykiss (rainbow trout) - 96 h
EC50 Daphnia 1	3 mg/l Daphnia magna (Water flea) - 48 h (OECD Test Guideline 202)
ErC50 (algae)	54.7 mg/l Pseudokirchneriella subcapitata (green algae) - 72 h (OECD Test Guideline 201)
NOEC (chronic)	2.96 mg/l Pseudokirchneriella subcapitata (green algae) - 72 d (OECD Test Guideline 201)
Threshold limit algae 2	4.4 mg/l (EC0)

ACRYLIC ACID (2,3,3-D3, 98%) (204259-63-2)	
EC50 other aquatic organisms 1	0.205 mg/l static test EC50 - Desmodesmus subspicatus (green algae) - 72 h
ErC50 (algae)	0.04 mg/l Desmodesmus subspicatus (green algae) - 96 h

12.2. Persistence and degradability

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O) (204259-63-2)	
Persistence and degradability	Aerobic - exposure time: 28 d.
Biodegradation	80 - 90 % - Readily biodegradable (OECD Test Guideline 301D)

4-METHOXYPHENOL UNLABELED (150-76-5)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air.
BOD (% of ThOD)	0.57
Biodegradation	86 % - Readily biodegradable (OECD Test Guideline 301C)

ACRYLIC ACID (2,3,3-D3, 98%) (204259-63-2)	
Persistence and degradability	Aerobic - exposure time: 28 d.
Biodegradation	80 - 90 % - Readily biodegradable (OECD Test Guideline 301D)

12.3. Bioaccumulative potential

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O) (204259-63-2)	
Log Pow	0.46
Bioaccumulative potential	Not available.

4-METHOXYPHENOL UNLABELED (150-76-5)	
Log Pow	1.34
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

ACRYLIC ACID (2,3,3-D3, 98%) (204259-63-2)	
Log Pow	0.46
Bioaccumulative potential	Not available.

12.4. Mobility in soil

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O) (204259-63-2)	
Ecology - soil	Not available.

ACRYLIC ACID (2,3,3-D3, 98%) (204259-63-2)	
Ecology - soil	Not available.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic organisms.

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.
- Product/Packaging disposal recommendations: : Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
- Ecology - waste materials : Dispose of as unused product.

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O)

DLM-855

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 14: Transport information

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

14.1. UN number

UN-No.(DOT) : 2218
DOT NA no. UN2218

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Acrylic acid, stabilized
Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT) : 8 - Corrosive
3 - Flammable liquid



Packing group (DOT) : II - Medium Danger
DOT Special Provisions (49 CFR 172.102) : B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
T7 - 4 178.274(d)(2) Normal..... 178.275(d)(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.
DOT Packaging Exceptions (49 CFR 173.xxx) : 154
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
DOT Packaging Bulk (49 CFR 173.xxx) : 243
DOT RQ : 5000 lbs
Marine pollutant : No



14.3. Additional information

Other information : No supplementary information available.

Overland transport

Packing group (ADR) : II
Class (ADR) : 8 - Corrosive substances
Hazard identification number (Kemler No.) : 839
Classification code (ADR) : CF1
Danger labels (ADR) : 8 - Corrosive substances
3 - Flammable liquids



Orange plates :

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Tunnel restriction code (ADR)	: D/E
Limited quantities (ADR)	: 1I
EAC code	: •2W
APP code	: A(fl)
Excepted quantities (ADR)	: E2

Transport by sea

DOT Vessel Stowage Location	: C - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 25 - Shade from radiant heat, 40 - Stow "clear of living quarters"
MFAG-No	: 132P

Air transport

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
Civil Aeronautics Law	: Corrosive substances (Hazardous materials notice Appended Table 1 Article 194 of the Enforcement Regulations)

14.4. Environmental hazards

Dangerous for the environment :



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

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O) (204259-63-2)	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard
4-METHOXYPHENOL UNLABELED (150-76-5)	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard
ACRYLIC ACID (2,3,3-D3, 98%) (204259-63-2)	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

15.2. International regulations

CANADA

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O) (204259-63-2)
Listed on the Canadian DSL (Domestic Substances List)
ACRYLIC ACID (2,3,3-D3, 98%) (204259-63-2)
Listed on the Canadian DSL (Domestic Substances List)

15.2.1. National regulations

No additional information available

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O)

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15.3. US State regulations

ACRYLIC-2,3,3-D3 ACID (+ 0.1% 4-METHOXYPHENOL) (D, 98%) (<5% H2O)(204259-63-2)	
U.S. - California - Proposition 65 - Carcinogens List	No
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 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

4-METHOXYPHENOL UNLABELED (150-76-5)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

ACRYLIC ACID (2,3,3-D3, 98%) (204259-63-2)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	No	No	No	

4-METHOXYPHENOL UNLABELED (150-76-5)				
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 This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.				

ACRYLIC ACID (2,3,3-D3, 98%) (204259-63-2)				
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 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.				

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-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Sens. 1	Sensitisation — Skin, Category 1
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin

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H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects
R10	Flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R22	Harmful if swallowed
R35	Causes severe burns
R36	Irritating to eyes
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R62	Possible risk of impaired fertility
R63	Possible risk of harm to the unborn child
C	Corrosive
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

NFPA health hazard

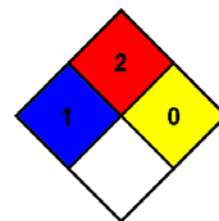
: 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



HMIS III Rating

Health

: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability

: 2 Moderate Hazard

Physical

: 0 Minimal Hazard

CIL Multi-Solvent Mixture 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