



DICHLOROACETIC ACID UNLABELED 1000 UG/ML IN MTBE

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 1/9/2023 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : DICHLOROACETIC ACID UNLABELED 1000 UG/ML IN MTBE
Product code : ULM-11470-S

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Cambridge Isotope Laboratories, Inc.
50 Frontage Rd
01810
ANDOVER, MA, 01810
USA
T 1-800-322-1174
cilsales@isotope.com - www.isotope.com

1.4. Emergency telephone number

Emergency number : 1-703-741-5970
Chemtrec 1-800-424-9300 24 hours

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 2	H225	Highly flammable liquid and vapor
Skin corrosion/irritation Category 2	H315	Causes skin irritation

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H225 - Highly flammable liquid and vapor
H315 - Causes skin irritation
Precautionary statements (GHS US) : 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/ventilating/lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P264 - Wash hands, forearms and face thoroughly after handling.

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P280 - Wear protective gloves/protective clothing/eye protection/face protection.
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.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
METHYL TERT-BUTYL ETHER UNLABELED	CAS-No.: 1634-04-4	99.987	Flam. Liq. 2, H225 Skin Irrit. 2, H315
DICHLOROACETIC ACID UNLABELED	CAS-No.: 79-43-6	0.013	Met. Corr. 1, H290 Acute Tox. 3 (Dermal), H311 Skin Corr. 1, H314 Eye Dam. 1, H318 Carc. 2, H351 Repr. 1A, H360 Lact., H362 STOT RE 2, H373 Aquatic Acute 1, H400

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Evacuate danger area.
First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area. If not breathing, give artificial respiration. Get medical advice/attention.
First-aid measures after skin contact : Wash with plenty of soap and water. Get immediate medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes.
First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.

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4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms	: 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. central nervous system. Dizziness. Nausea. Vomiting. IF INHALED: Risk of pneumonia.
Symptoms/effects after inhalation	: May be harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapor.
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂).

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Wear a self contained breathing apparatus.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
Other information : Use water spray to cool exposed surfaces.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Use personal protective equipment as required. Avoid breathing vapors, mist, gas. Provide adequate ventilation to minimize dust and/or vapor concentrations. Avoid dust formation. Evacuate area. Remove all sources of ignition. 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. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Clean up any spills as soon as possible, using an absorbent material to collect it. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. 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.

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6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, spray, vapors. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Prevent the build-up of electrostatic charge. Provide adequate ventilation to minimize dust and/or vapor concentrations.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Store in a well-ventilated place. Keep container tightly closed.
Storage conditions	: Store at room temperature away from light and moisture.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DICHLOROACETIC ACID UNLABELED 1000 UG/ML IN MTBE	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	50 ppm Basis: USA. ACGIH Threshold Limit Values (TLV) Remarks: Upper Respiratory Tract irritation. Kidney damage. Confirmed animal carcinogen with unknown relevance to humans.
USA - OSHA - Occupational Exposure Limits	
OSHA PEL C	144 mg/m ³ Basis: California permissible exposure limits for chemical contaminants. (Title 8, Article 107).
OSHA PEL C [ppm]	40 ppm Basis: California permissible exposure limits for chemical contaminants. (Title 8, Article 107).
METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	50 ppm Basis: USA. ACGIH Threshold Limit Values (TLV) Remarks: Upper Respiratory Tract irritation. Kidney damage. Confirmed animal carcinogen with unknown relevance to humans.
USA - OSHA - Occupational Exposure Limits	
OSHA PEL C	144 mg/m ³ Basis: California permissible exposure limits for chemical contaminants. (Title 8, Article 107).
OSHA PEL C [ppm]	40 ppm Basis: California permissible exposure limits for chemical contaminants. (Title 8, Article 107).
DICHLOROACETIC ACID UNLABELED (79-43-6)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0.5 ppm
ACGIH OEL C [ppm]	0.5 ppm USA. ACGIH Threshold Limit Values (TLV)
Remark (ACGIH)	Confirmed animal carcinogen with unknown relevance to humans Danger of cutaneous absorption

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8.2. Appropriate engineering controls

Appropriate engineering controls	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

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

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Colorless
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: -108.6 °C (-163.5 °F)
Freezing point	: No data available
Boiling point	: 55 – 56 °C (131 - 133 °F) - lit.
Flash point	: -33 °C (- 27.4 °F) - closed cup
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: 1018.7 hPa (764.1 mmHg) at 55°C (131°F), 279.2 hPa (209.4 mmHg) at 20 °C (68°F)
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 0.74 g/ml at 25 °C (77 °F)
Molecular mass	: 88.15 g/mol
Solubility	: Water: 42 g/l
Partition coefficient n-octanol/water (Log Pow)	: 1.06
Auto-ignition temperature	: 374 °C (705.2 °F)

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Decomposition temperature	: No data available
Viscosity, kinematic	: 0.464 mm ² /s at 20 °C (68 °F) - 0.409 mm ² /s at 40 °C (104 °F)
Viscosity, dynamic	: No data available
Explosion limits	: 1.6 – 15.1 % (V)
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

See storage and expiration date on CoA.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Open flame. Sparks.

10.5. Incompatible materials

Oxidizing agent. Strong acids.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

DICHLOROACETIC ACID UNLABELED 1000 UG/ML IN MTBE	
LD50 oral rat	4000 mg/kg
LC50 Inhalation - Rat [ppm]	23576 ppm/4h
ATE US (oral)	4000 mg/kg body weight
ATE US (gases)	23576 ppmV/4h

METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)	
LD50 oral rat	4000 mg/kg
LC50 Inhalation - Rat [ppm]	23576 ppm/4h
ATE US (oral)	4000 mg/kg body weight
ATE US (gases)	23576 ppmV/4h

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DICHLOROACETIC ACID UNLABELED (79-43-6)	
LD50 oral rat	2820 mg/kg (OECD Test Guideline 401) Inhalation: No data available Inhalation: Corrosive to respiratory system LD50 Dermal - Rabbit - 797 mg/kg Remarks: (ECHA)
ATE US (oral)	2820 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight

Skin corrosion/irritation : Causes skin irritation.

DICHLOROACETIC ACID UNLABELED (79-43-6)	
pH	1.2 at 129 g/l at 20 °C (68 °F)

Serious eye damage/irritation : Not classified

DICHLOROACETIC ACID UNLABELED (79-43-6)	
pH	1.2 at 129 g/l at 20 °C (68 °F)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

DICHLOROACETIC ACID UNLABELED 1000 UG/ML IN MTBE	
IARC group	2B - Possibly carcinogenic to humans

METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)	
IARC group	3 - Not classifiable

DICHLOROACETIC ACID UNLABELED (79-43-6)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

DICHLOROACETIC ACID UNLABELED (79-43-6)	
STOT-repeated exposure	May cause damage to organs (brain, liver, testis) through prolonged or repeated exposure (Inhalation, Dermal, oral).

Aspiration hazard : Not classified

Viscosity, kinematic : 0.464 mm²/s at 20 °C (68 °F) - 0.409 mm²/s at 40 °C (104 °F)

METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)	
Viscosity, kinematic	0.464 mm ² /s at 20 °C (68 °F) - 0.409 mm ² /s at 40 °C (104 °F)

DICHLOROACETIC ACID UNLABELED (79-43-6)	
Viscosity, kinematic	4.696 mm ² /s at 20 °C (68 °F) - 2.716 mm ² /s at 40 °C (104 °F)

Potential Adverse human health effects and symptoms : 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. central nervous system. Dizziness. Nausea. Vomiting. IF INHALED: Risk of pneumonia.

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

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : May cause eye irritation.

Symptoms/effects after ingestion : May be harmful if swallowed.

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SECTION 12: Ecological information

12.1. Toxicity

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LC50 - Fish [1]	672 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 - Crustacea [1]	472 mg/l Daphnia magna (Water flea) - 48 h
EC50 - Other aquatic organisms [1]	491 mg/l Pseudokirchneriella subcapitata (green algae) - 96 h
LC50 - Fish [2]	> 1000 mg/l other fish - 96 h

METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)

LC50 - Fish [1]	672 mg/l Pimephales promelas (fathead minnow) - 96 h
EC50 - Crustacea [1]	472 mg/l Daphnia magna (Water flea) - 48 h
EC50 - Other aquatic organisms [1]	491 mg/l Pseudokirchneriella subcapitata (green algae) - 96 h
LC50 - Fish [2]	> 1000 mg/l other fish - 96 h

DICHLOROACETIC ACID UNLABELED (79-43-6)

EC50 - Other aquatic organisms [1]	EC50 - Daphnia magna (Water flea) - 106 mg/l - 24 h Remarks: (ECOTOX Database)
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12.2. Persistence and degradability

DICHLOROACETIC ACID UNLABELED 1000 UG/ML IN MTBE

Persistence and degradability	Not readily biodegradable. (OECD 301D method).
Biodegradation	0 %

METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)

Persistence and degradability	Not readily biodegradable. (OECD 301D method).
Biodegradation	0 %

DICHLOROACETIC ACID UNLABELED (79-43-6)

Biodegradation	Biodegradability : aerobic - Exposure time 15 d Result: 93 % - Readily biodegradable. (OECD Test Guideline 301F)
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12.3. Bioaccumulative potential

DICHLOROACETIC ACID UNLABELED 1000 UG/ML IN MTBE

Partition coefficient n-octanol/water (Log Pow)	1.06
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METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)

Partition coefficient n-octanol/water (Log Pow)	1.06
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DICHLOROACETIC ACID UNLABELED (79-43-6)

Partition coefficient n-octanol/water (Log Pow)	0.92 - (Lit.), Bioaccumulation is not expected.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Disposal 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.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No	: UN2398
UN-No. (TDG)	: UN2398
UN-No. (IMDG)	: 2398
UN-No. (IATA)	: 2398

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Methyl tert-butyl ether
Proper Shipping Name (TDG)	: METHYL tert-BUTYL ETHER
Proper Shipping Name (IMDG)	: METHYL tert-BUTYL ETHER
Proper Shipping Name (IATA)	: Methyl tert-butyl ether

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT)	: 3
Hazard labels (DOT)	: 3



TDG

Transport hazard class(es) (TDG)	: 3
Hazard labels (TDG)	: 3



IMDG

Transport hazard class(es) (IMDG)	: 3
Hazard labels (IMDG)	: 3



IATA

Transport hazard class(es) (IATA)	: 3
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Hazard labels (IATA) : 3



14.4. Packing group

Packing group (DOT) : II
Packing group (TDG) : II
Packing group (IMDG) : II
Packing group (IATA) : II

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Not classified as dangerous in the meaning of transport regulations

DOT

UN-No. (DOT) : UN2398
DOT Special Provisions (49 CFR 172.102) : 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)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx) : 150
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202
DOT Packaging Bulk (49 CFR 173.xxx) : 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L
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.

TDG

UN-No. (TDG) : UN2398
Explosive Limit and Limited Quantity Index : 1 L
Excepted quantities (TDG) : E2
Passenger Carrying Ship Index : Forbidden
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 5 L
Emergency Response Guide (ERG) Number : 127

IMDG

Limited quantities (IMDG) : 1 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP1
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage) : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS

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Stowage category (IMDG)	: E
Flash point (IMDG)	: below -18°C c.c.
Properties and observations (IMDG)	: Colourless liquid. Flashpoint: below -18°C c.c. Explosive limits: 1.7% to 8.4% Boiling point: 55°C. Immiscible with water.
MFAG-No	: 127

IATA

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
ERG code (IATA)	: 3L

14.7. 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

DICHLOROACETIC ACID UNLABELED 1000 UG/ML IN MTBE	
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

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
METHYL TERT-BUTYL ETHER UNLABELED	1634-04-4	Present	Active	
DICHLOROACETIC ACID UNLABELED	79-43-6	Not present	-	

METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)	
Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	1000 lb
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard

DICHLOROACETIC ACID UNLABELED (79-43-6)	
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	Acute Health Hazard

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15.2. International regulations

CANADA

METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

METHYL TERT-BUTYL ETHER UNLABELED (1634-04-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

DICHLOROACETIC ACID UNLABELED (79-43-6)

CAUTION: This material is supplied for research and development purposes subject to the R&D exemption under TSCA, 40 CFR 720.36, and must meet the requirements of the exemption, including supervision by a "technically qualified individual" as defined by 40 CFR 720.3(ee). The use of this material for "commercial purposes" as defined by 40 CFR 720.3(r) is not permitted in the United States.

Listed on TECI (Thailand Existing Chemicals Inventory)

15.3. US State regulations

Component	State or local regulations
METHYL TERT-BUTYL ETHER UNLABELED(1634-04-4)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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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 H-phrases	
H225	Highly flammable liquid and vapor
H290	May be corrosive to metals
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H362	May cause harm to breast-fed children
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life

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