

## 2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED 100 UG/ML IN ACETONITRILE

## 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: 02/03/2021 Revision date: : Version: 1.0

ULM-11207-S

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

1.1. Product identifier

Product form : Mixtures

Product name : 2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED 100 UG/ML

IN ACETONITRILE

Product code : ULM-11207-S

## 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

LISA

USA: 1-800-322-1174 Int: 1-978-749-8000 <a href="mailto:cilsales@isotope.com">cilsales@isotope.com</a> 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. 2
 H225

 Acute Tox. 4 (Oral)
 H302

 Acute Tox. 4 (Dermal)
 H312

 Acute Tox. 4 (Inhalation:gas)
 H332

 Eye Irrit. 2
 H319

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

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

F; R11 Xn; R20/21/22

Xi; R36

Full text of R-phrases: see section 16

## **GHS-US** classification

Flam. Liq. 2 H225 Acute Tox. 4 (Oral) H302 Acute Tox. 4 (Dermal) H312 Acute Tox. 4 (Inhalation) H332 Eye Irrit. 2 H319

Full text of H statements : see section 16

## Adverse physicochemical, human health and environmental effects

No additional information available

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#### 2.2. **Label elements**

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

Hazard pictograms (CLP)





GHS02

Signal word (CLP) : Danger

Hazardous ingredients : ACETONITRILE UNLABELED

Hazard statements (CLP) H225 - Highly flammable liquid and vapor

H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled

H319 - Causes serious eye irritation

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, ventilating, lighting equipment

P261 - Avoid breathing dust, gas, fume, mist, spray, vapors. 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** labeling

Hazard pictograms (GHS-US)





Signal word (GHS-US) : Danger

: H225 - Highly flammable liquid and vapor Hazard statements (GHS-US)

H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled

H319 - Causes serious eye irritation

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, ventilating, lighting equipment

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge. P261 - Avoid breathing dust, fume, gas, mist, spray, vapors. 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 P280 - Wear protective clothing, protective gloves.

P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell

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

P312 - Call a poison center or doctor if you feel unwell

P322 - Specific treatment (see supplemental first aid instruction on this label)

P330 - Rinse mouth

P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use Alcohol resistant foam, Carbon dioxide, Dry chemical, Water

spray to extinguish.

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

P501 - Dispose of contents/container to Comply with applicable regulations

## Other hazards

No additional information available

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## 2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) **UNLABELED 100 UG/ML IN ACETONITRILE** ULM-11207-S

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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 3: Composition/Information on ingredients**

## **Substances**

Not applicable

3.2. Mixtures			
Name	Product identifier	%	Classification according to Directive 67/548/EEC
ACETONITRILE UNLABELED	(CAS-No.) 75-05-8 (EC-No.) 200-835-2 (EC Index-No.) 608-001-00-3 (REACH-no) 01-2119471307-38	99.987	F; R11 Xi; R36 Xn; R20/21/22
2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED	(CAS-No.) 79538-03-7 (EC Index-No.)	0.013	Xi; R36 R43
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ACETONITRILE UNLABELED	(CAS-No.) 75-05-8 (EC-No.) 200-835-2 (EC Index-No.) 608-001-00-3 (REACH-no) 01-2119471307-38	99.987	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED	(CAS-No.) 79538-03-7 (EC Index-No.)	0.013	Eye Irrit. 2, H319 Skin Sens. 1, H317
Name	Product identifier	%	GHS-US classification
ACETONITRILE UNLABELED	(CAS-No.) 75-05-8	99.987	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319
2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED	(CAS-No.) 79538-03-7	0.013	Eye Irrit. 2, H319 Skin Sens. 1, H317

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

## **SECTION 4: First aid measures**

4.1	Description	of first air	d measures

First-aid measures general

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of

First-aid measures after inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact

Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Immediately call a poison center or doctor/physician. Specific measures (see Hazard pictograms (CLP) on this label). Wash with plenty of soap and water. Wash contaminated

First-aid measures after eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion

: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

## Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation

: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if

Symptoms/effects after skin contact

Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin.

Symptoms/effects after eye contact

Causes serious eye irritation.

Symptoms/effects after ingestion

Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.

## Indication of any immediate medical attention and special treatment needed

No additional information available

## **SECTION 5: Firefighting measures**

## **Extinguishing media**

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

## Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapor.

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Explosion hazard : May form flammable/explosive vapor-air mixture. Reactivity : Vapors may form explosive mixture with air.

## 5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## **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

smokina.

### 6.1.1. For non-emergency personnel

No additional information available

### 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 : 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.

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

Precautions for safe handling : No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well-

ventilated area. Avoid breathing dust, mist or spray.

Description of the second of t

Hygiene measures : Do not eat, drink or smoke when using this product. Wash Both hands thoroughly after handling.

## 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond

container and receiving equipment. Use explosion-proof electrical equipment.

Storage conditions : Store at room temperature away from light and moisture.

Incompatible materials : Heat sources

## 7.3. Specific end use(s)

No additional information available

## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

ACETONITRILE UNLABELED (75-05-8)			
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20.00000000 ppm Lower Respiratory Tract irritation. Not classifiable as a human carcinogen.	
USA NIOSH	NIOSH REL (TWA) (mg/m³)	34 mg/m³ Forms Cyanide in the body.	
USA NIOSH	NIOSH REL (TWA) (ppm)	20 ppm Forms Cyanide in the body.	
USA OSHA	OSHA PEL (TWA) (mg/m³)	70 mg/m³ The value in mg/m3 is approximate.	
USA OSHA	OSHA PEL (TWA) (ppm)	40 ppm The value in mg/m3 is approximate.	

## 8.2. Exposure controls

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



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 : Wear suitable protective clothing

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## 2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) **UNLABELED 100 UG/ML IN ACETONITRILE**

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Respiratory protection

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

## **SECTION 9: Physical and chemical properties**

### Information on basic physical and chemical properties

The properties listed below are for the solvent, the main component of this mixture. Physical state : Liquid : Liquid, clear Appearance Molecular mass : 41.05 g/mol Color Colorless Odor : Ether-like Odor threshold : No data available

pН No data available Relative evaporation rate (butyl acetate=1) : No data available Melting point : -48 °C (-54°F) Freezing point : No data available Boiling point : 81 - 82 °C (178 - 180 °F) : 2 °C (35.6 °F) - closed cup Flash point

Auto-ignition temperature : 523 °C (973 °F) Decomposition temperature : No data available

Flammability (solid, gas) : Highly flammable liquid and vapor

73.18 hPa (54.89 mmHg) at 15°C (59 °F), Vapor pressure

119.81 hPa (89.86 mmHg) at 25°C(77 °F)

Relative vapor density at 20 °C : 1.42 - (Air = 1.0) Relative density : No data available Specific gravity / density : 0.786 g/ml Solubility : Water: 100 %

Log Pow -0.34

Log Kow : No data available Viscosity, kinematic : No data available No data available Viscosity, dynamic Explosive properties No data available Oxidizing properties : No data available **Explosion limits** : 4.4 - 16 vol %

## Other information

No additional information available

## **SECTION 10: Stability and reactivity**

## Reactivity

Vapors may form explosive mixture with air.

## **Chemical stability**

See storage and expiration date on CoA.

## Possibility of hazardous reactions

Highly flammable liquid and vapor.

## **Conditions to avoid**

Heat. Open flame. Direct sunlight. Sparks. Extremely high or low temperatures.

## Incompatible materials

Acids, Bases, Oxidizing agents, Reducing agents, Alkali metals.

## **Hazardous decomposition products**

May release flammable gases. Carbon oxides (CO, CO2). Nitrogen oxides.

## **SECTION 11: Toxicological information**

## Information on toxicological effects

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

inhaled.

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2,3,5,6-TETRAFLUORO-4-METHYLBENZYL	ALCOHOL(97% CP) UNLABELED 100 UG/ML IN ACETONITRILE
LD50 oral rat	2460 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	≥ 26.8 mg/l
LC50 inhalation rat (ppm)	7551 ppm - 8h
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	2000.000 mg/kg body weight
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	26.800 mg/l/4h
ATE CLP (dust, mist)	26.800 mg/l/4h
ACETONITRILE UNLABELED (75-05-8)	
LD50 oral rat	2460 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	≥ 26.8 mg/l
LC50 inhalation rat (ppm)	7551 ppm - 8h
ATE CLP (oral)	500.000 mg/kg body weight
ATE CLP (dermal)	2000.000 mg/kg body weight
ATE CLP (gases)	4500.000 ppmV/4h
ATE CLP (vapors)	11.000 mg/l/4h
ATE CLP (dust, mist)	1.500 mg/l/4h
Skin corrosion/irritation	: Not classified
	Rabbit - Skin - No skin irritation
Serious eye damage/irritation	: Causes serious eye irritation.
	Rabbit - Eyes - Irritating to eyes
Respiratory or skin sensitization	: Did not cause sensitization on laboratory animals - Buehler Test - Guinea pig - Did not cause sensitization on laboratory animals - (OECD 406 method)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: No evidence of carcinogenicity in animal studies (when indicated).
Reproductive toxicity	: Animal testing did not show any effects on fertility.
Specific target organ toxicity – single exposure	: Not classified
	The substance or mixture is not classified as specific target organ toxicant.
Specific target organ toxicity – repeated	: Not classified
exposure	The substance or mixture is not classified as specific target organ toxicant.
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Treat as cyanide poisoning. Always have on hand a cyanide first-aid kit, together with proper instructions. The onset of symptoms is generally delayed pending conversion to cyanide. Nausea, Vomiting, Diarrhea, Headache, Dizziness, Rash, Cyanosis, Excitement, Depression, Drowsiness, Impaired judgment, Lack of coordination, Stupor, Death. Lungs - Lung edema - Based on human evidence. Harmful if swallowed. Harmful in contact with skin. 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.
Symptoms/effects after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.
Symptoms/effects after skin contact	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed.

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general

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

2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED 100 UG/ML IN ACETONITRILE		
LC50 fish 1 1640 mg/l Pimephales promelas (fathead minnow) - 96h		
EC50 Daphnia 1	3600 mg/l Daphnia magna (Water flea) - 48h	

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2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED 100 UG/ML IN ACETONITRILE		
NOEC (chronic) 640 mg/l Daphnia magna (Water flea) - 14d		
ACETONITRILE UNLABELED (75-05-8)		
LC50 fish 1	1640 mg/l Pimephales promelas (fathead minnow) - 96h	
EC50 Daphnia 1 3600 mg/l Daphnia magna (Water flea) - 48h		
NOEC (chronic) 640 mg/l Daphnia magna (Water flea) - 14d		

## 12.2. Persistence and degradability

2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED 100 UG/ML IN ACETONITRILE				
Persistence and degradability Biodegradability Result: - Readily biodegradable.				
ACETONITRILE UNLABELED (75-05-8)				
Persistence and degradability	Biodegradability	Result: - Readily biodegradable.		

## 12.3. Bioaccumulative potential

2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED 100 UG/ML IN ACETONITRILE		
Log Pow	-0.34	
Bioaccumulative potential No bioaccumulation is to be expected (log Pow <= 4).		
ACETONITRILE UNLABELED (75-05-8)		
Log Pow	-0.34	
Bioaccumulative potential No bioaccumulation is to be expected (log Pow <= 4).		

## 12.4. Mobility in soil

2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED 100 UG/ML IN ACETONITRILE			
Ecology - soil Not expected to absorb on soil.			
ACETONITRILE UNLABELED (75-05-8)			
Ecology - soil	Not expected to absorb on soil.		

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Other adverse effects

Other adverse effects : Avoid release to the environment. Disposal must be done according to official regulations. May cause long lasting harmful effects to aquatic life.

## **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
: Dispose of contents/container to Comply with applicable regulations.

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

Ecology - waste materials
: Dispose of as unused product.

## **SECTION 14: Transport information**

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

## 14.1. UN number

UN-No.(DOT) : 1648 DOT NA no. UN1648

## 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Acetonitrile

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

Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : II - Medium Danger

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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)

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) : 150 DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Bulk (49 CFR 173.xxx) : 242

#### 14.3. **Additional information**

Other information : No supplementary information available.

#### **Overland transport**

Packing group (ADR) : 11

: 3 - Flammable liquid Class (ADR)

Hazard identification number (Kemler No.) : 33 Classification code (ADR) : F1

Hazard labels (ADR) : 3 - Flammable liquids



Orange plates

Tunnel restriction code (ADR) : D/E Limited quantities (ADR) 11 : •2YE FAC Excepted quantities (ADR) : E2

## Transport by sea

**DOT Vessel Stowage Location** : B - (i) 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; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this

section is exceeded.

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

MFAG-No : 127

## Air transport

DOT Quantity Limitations Passenger aircraft/rail : 5L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 60 L

CFR 175.75)

Civil Aeronautics Law : Flammable liquids

## **Environmental hazards**

Other information : No supplementary information available.

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#### 14.5. Special precautions for user

## 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

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2,3,5,6-TETRAFLUORO-4-METHYLBENZYL	ALCOHOL(97% CP) UNLABELED 100 UG/ML IN ACETONITRILE		
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of United States SARA Section 302		
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard		
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313		
ACETONITRILE UNLABELED (75-05-8)			
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of United States SARA Section 302		
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard		
SARA Section 313 - Emission Reporting	Subject to reporting requirements of United States SARA Section 313		
2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED (79538-03-7)			
SARA Section 302 Threshold Planning Quantity (TPQ)	Not subject to reporting requirements of the United States SARA Section 302.		
SARA Section 313 - Emission Reporting	Not subject to reporting requirements of the United States SARA Section 313.		

## 15.2. International regulations

## **CANADA**

## 2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED 100 UG/ML IN ACETONITRILE

Listed on the Canadian DSL (Domestic Substances List)

## 15.2.1. National regulations

No additional information available

15.3. US State regulations					
2,3,5,6-TETRAFLUORO-4-N	METHYLBENZYL ALCOHOL	.(97% CP) UNLABELED 100 UG	6/ML IN ACETONITRILE()		
U.S California - Proposition	n 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			
		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			
ACETONITRILE UNLABELI	ED (75-05-8)				
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		
2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED (79538-03-7)					
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)	

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# 2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED 100 UG/ML IN ACETONITRILE ULM-11207-S

## 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

2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED (79538-03-7)				
No	No	No	No	

## **ACETONITRILE UNLABELED (75-05-8)**

## State or local regulations

- 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

## 2,3,5,6-TETRAFLUORO-4-METHYLBENZYL ALCOHOL(97% CP) UNLABELED (79538-03-7)

#### State or local regulations

- 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:

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Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Skin Sens. 1	Skin sensitization, Category 1
H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
R11	Highly flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R36	Irritating to eyes
R43	May cause sensitization by skin contact
F	Highly flammable
Xi	Irritant
Xn	Harmful

NFPA health hazard

: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

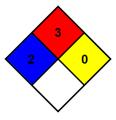
NFPA fire hazard

: 3 - Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient

temperature conditions.

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 : 3 Serious Hazard Physical : 0 Minimal Hazard

## CIL 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

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