

CONOSTAN Very-low Sulfur in Iso UV set

Revision: 09.06.2023

Product code: AC18.10195

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1. Identification
Product identifier

CONOSTAN Very-low Sulfur in Iso UV set

REACH Registration Number: 01-2119457965-22-XXXX
 CAS No: 540-84-1
 Index No: 601-009-00-8
 EC No: 208-759-1

Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture

Reagents and laboratory chemicals
 Only for laboratory and analysis purposes.

Details of the supplier of the safety data sheet
Details of the supplier of the safety data sheet

Company name: AnalytiChem Services, Unipessoal, Lda
 Street: Rua de Júlio Dinis 676 7º
 Place: P-4050-320 Porto
 Telephone: +351 226002917
 E-mail: info@analytichem.com
 Contact person: SDS service department
 E-mail: SDS@analytichem.com
 Internet: www.analytichem.com
 Responsible Department: SDS service department

Supplier or manufacturer details

Company name: AnalytiChem Canada Inc.
 Québec, CANADA
 Street: 21800 Clark Graham Ave
 Place: CDN-H9X 4B6 Baie-D'Urfé
 Telephone: +1 (800) 361-6820 Telefax: +1 (800) 253-5549
 E-mail: info@analytichem.com
 Contact person: SDS service department
 E-mail: SDS@analytichem.com
 Internet: www.analytichem.com
 Responsible Department: AnalytiChem:
 EU-Belgium: AnalytiChem Belgium, Industriezone "De Arend" 2, 8210 Zedelgem, Belgium, +32 50 28 83 20
 EU-Germany: AnalytiChem Germany, Stempelstrasse 6, 47167 Duisburg, Germany, +49 203 51 94 – 200
 EU-Netherlands: AnalytiChem Netherlands, Communicatieweg 7, 3641 SG Mijdrecht, The Netherlands, +31 297 286848
 UK: AnalytiChem UK, Unit 7 Launton Business Center, Murdock Road, Bicester, OX26 4XB, England, +44 1869 355 500
 USA: AnalytiChem USA, 227 China Road, Winslow, Maine, 04901, United States, +1 800-244-8378
 Canada: AnalytiChem Canada, 21800 Clark Graham Avenue, Baie d'Urfe, H9X 4B6, Canada, +1 514-457-0701
 Australia: ORE Research & Exploration Pty Ltd, 37A Hosie Street, Bayswater North, 3153, Australia, +61 3 9729 0333
Emergency telephone number: +1 703-741-5970 (CHEMTREC)

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2. Hazard identification

Classification of the substance or mixture

Regulation (EC) No 1272/2008

- Flam. Liq. 2; H225
- Skin Irrit. 2; H315
- STOT SE 3; H336
- Asp. Tox. 1; H304
- Aquatic Acute 1; H400
- Aquatic Chronic 1; H410

Full text of hazard statements: see SECTION 16.

Label elements

Regulation (EC) No 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H304 May be fatal if swallowed and enters airways.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P331 Do NOT induce vomiting.
- P405 Store locked up.
- P501 Dispose of contents/container to

3. Composition/information on ingredients

Substances

- Sum formula: C8H18
- Molecular weight: 114,23 g/mol

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Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
540-84-1	2,2,4-trimethylpentane			100 %
	208-759-1	601-009-00-8	01-2119457965-22-XXXX	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H225 H315 H336 H304 H400 H410			

Full text of H statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
540-84-1	208-759-1	2,2,4-trimethylpentane	100 %
	inhalation: LC50 = > 33,52 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg		

4. First-aid measures
Description of first aid measures
5. Fire-fighting measures
Extinguishing media
6. Accidental release measures
Personal precautions, protective equipment and emergency procedures
General advice

Keep away from sources of ignition - No smoking.

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

Take action to prevent static discharges.

For non-emergency personnel

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

Consult an expert

Do not breathe dust/fume/gas/mist/vapours/spray.

For emergency responders

Precautionary statements For emergency responders : Personal protection equipment: see section 8

Methods and material for containment and cleaning up
For containment

Cover drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Collect in closed and suitable containers for disposal.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

Other information

Provide adequate ventilation.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

7. Handling and storage
Precautions for safe handling
Conditions for safe storage, including any incompatibilities
8. Exposure controls/Personal protection
Control parameters
Exposure limits (ACGIH)

CAS No	Chemical name	ppm	mg/m ³	Category	Origin
540-84-1	Isooctane; 2,2,4-Trimethylpentane	300	1401	TWA (8 h)	ACGIH-2025

DNEL/DMEL values

CAS No	Chemical name	Exposure route	Effect	Value
540-84-1	2,2,4-trimethylpentane			
	Worker DNEL, long-term	inhalation	systemic	2035 mg/m ³
	Worker DNEL, long-term	dermal	systemic	773 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	608 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	699 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	699 mg/kg bw/day

Exposure controls
9. Physical and chemical properties
Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	colourless
Odour:	petrol-like
Melting point/freezing point:	-107 °C °C
Boiling point or initial boiling point and boiling range:	99 °C °C
Lower explosive limits:	1,1 vol. %
Upper explosive limits:	6,0 Vol % vol. %
Flash point:	-12 °C °C
Auto-ignition temperature:	410 °C °C
pH-Value:	neutral
Water solubility:	No
Vapour pressure: (at 20 °C °C)	51 hPa hPa
Density:	0,69 g/cm ³ g/cm ³

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10. Stability and reactivity
11. Toxicological information
Information on toxicological effects
Acute toxicity

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
540-84-1	2,2,4-trimethylpentane				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1982)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1982)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 > 33,52 mg/l	Rat	Study report (1982)	OECD Guideline 403

12. Ecological information
Ecotoxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
540-84-1	2,2,4-trimethylpentane					
	Acute fish toxicity	LC50 0,11 mg/l	96 h	Oncorhynchus mykiss	SIDS Initial Assessment Report For SIAM	OECD Guideline 203
	Acute algae toxicity	ErC50 2,943 mg/l	72 h	Pseudokirchneriella subcapitata	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
	Acute crustacea toxicity	EC50 0,4 mg/l	48 h	Daphnia magna	Publication (1986)	other: As described in: The evaluation o
	Fish toxicity	NOEC 0,82 mg/l	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC 1 mg/l	21 d	Daphnia magna	SIDS Initial Assessment Report For SIAM	OECD Guideline 211

Bioaccumulative potential
Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
540-84-1	2,2,4-trimethylpentane	4,08

BCF

CAS No	Chemical name	BCF	Species	Source
540-84-1	2,2,4-trimethylpentane	231	calculated	Other company data (

Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

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Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

13. Disposal considerations

Waste treatment methods

14. Transport information

Land transport (ADR/RID)

<u>UN number or ID number:</u>	UN 1262
<u>United Nations proper shipping name:</u>	OCTANE
<u>Transport hazard class(es):</u>	3
<u>Packing group:</u>	II
Hazard label:	3
Classification Code:	F1
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E

Inland waterways transport (ADN)

<u>UN number or ID number:</u>	UN 1262
<u>United Nations proper shipping name:</u>	1262 OCTANE
<u>Transport hazard class(es):</u>	3
<u>Packing group:</u>	II
Hazard label:	3
Classification Code:	F1
Limited quantity:	1L

Marine transport (IMDG)

<u>UN number or ID number:</u>	UN 1262
<u>United Nations proper shipping name:</u>	OCTANES, MARINE POLLUTANT
<u>Transport hazard class(es):</u>	3
<u>Packing group:</u>	II
Hazard label:	3
Marine pollutant:	P
EmS:	F-E,S-E

Air transport (ICAO-TI/IATA-DGR)

<u>UN number or ID number:</u>	UN 1262
<u>United Nations proper shipping name:</u>	OCTANES
<u>Transport hazard class(es):</u>	3
<u>Packing group:</u>	II
Hazard label:	3

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Directive 2004/42/EC on VOC in paints and varnishes: Ja

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

16. Other information

Abbreviations and acronyms

Flam. Liq. 2: Flammable liquids

Asp. Tox. 1: Aspiration hazard

Skin Irrit. 2: Skin irritation

STOT SE 3: Specific target organ toxicity - single exposure

Aquatic Acute 1: Acute aquatic hazard

Aquatic Chronic 1: Chronic aquatic hazard

Relevant H statements (number and full text)

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
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