

CONOSTAN® Flash Point 530C Standard (ASTM D93)

Revision: 18.01.2023

Product code: AC18.05931

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1. Identification
Product identifier

CONOSTAN® Flash Point 530C Standard (ASTM D93)

Substance name:	decane
CAS No:	124-18-5
EC No:	204-686-4

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)	

2. Hazard identification

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Classification of the substance or mixture

Regulation (EC) No 1272/2008

Flam. Liq. 3; H226
Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

Label elements

Regulation (EC) No 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to Dispose of contents/container in accordance with local/regional/national/international regulations..

3. Composition/information on ingredients

Substances

Relevant ingredients

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	Classification (Regulation (EC) No 1272/2008)	
124-18-5	decane	100 %
	204-686-4	
	Flam. Liq. 3, Asp. Tox. 1; H226 H304	

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		
124-18-5	204-686-4	decane	100 %
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 15000 mg/kg		

4. First-aid measures

Description of first aid measures

5. Fire-fighting measures

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Extinguishing media
6. Accidental release measures
7. Handling and storage
Precautions for safe handling
Conditions for safe storage, including any incompatibilities
8. Exposure controls/Personal protection
Control parameters
PNEC values

CAS No	Chemical name	
	Environmental compartment	Value
124-18-5	decane	
	Freshwater	0,0012 mg/l
	Freshwater (intermittent releases)	0,0045 mg/l
	Marine water	0,0012 mg/l
	Freshwater sediment	0,33 mg/kg
	Marine sediment	0,33 mg/kg
	Micro-organisms in sewage treatment plants (STP)	0,018 mg/l
	Soil	0,13 mg/kg

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

Physical state:	Liquid
Colour:	
Boiling point or initial boiling point and boiling range:	179 °C °C
Lower explosive limits:	0,7 vol. %
Upper explosive limits:	5,4 Vol % vol. %
Flash point:	57,4 °C
Auto-ignition temperature:	206 °C
Water solubility:	Immiscible
Vapour pressure: (at 20 °C)	1,35 hPa
Vapour pressure: (at 50 °C)	1,35 hPa
Density:	0,732 g/cm ³

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

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Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name					
	Route of exposure	Dose	Species	Source	Method	
124-18-5	decane					
	oral	LD50 > 15000 mg/kg	Rat	Study report (1977)	OECD Guideline 423	
	dermal	LD50 > 5000 mg/kg	Rabbit	Study report (1993)	OECD Guideline 402	

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitizing effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways.

12. Ecological information
Ecotoxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
124-18-5	decane					
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (1994)	OECD Guideline 201
	Acute crustacea toxicity	EC50 ca. 0,2 mg/l	48 h	Daphnia magna	Study report (1987)	other: As described in: The evaluation o
	Fish toxicity	NOEC 0,111 mg/l	28 d	Oncorhynchus mykiss	REACH Registration Dossier	The aquatic toxicity was estimated by a
	Crustacea toxicity	NOEC 0,194 mg/l	21 d	Daphnia magna	REACH Registration Dossier	The aquatic toxicity was estimated by a

Bioaccumulative potential
Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
124-18-5	decane	5,86

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BCF

CAS No	Chemical name	BCF	Species	Source
124-18-5	decane	144,3	calculated	Other company data (

Results of PBT and vPvB assessment

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

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)

UN number or ID number:	UN 2247
United Nations proper shipping name:	n-DECANE
Transport hazard class(es):	3
Packing group:	III
Hazard label:	3
Classification Code:	F1
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E

Inland waterways transport (ADN)

UN number or ID number:	UN 2247
United Nations proper shipping name:	n-DECANE
Transport hazard class(es):	3
Packing group:	III
Hazard label:	3
Classification Code:	F1
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

UN number or ID number:	UN 2247
United Nations proper shipping name:	n-DECANE
name:	
Transport hazard class(es):	3
Packing group:	III
Hazard label:	3
Special Provisions:	-
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-E, S-E

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number:	UN 2247
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<u>United Nations proper shipping name:</u>	n-DECANE	
<u>Transport hazard class(es):</u>	3	
<u>Packing group:</u>	III	
Hazard label:	3	
Limited quantity Passenger:	10 L	
Passenger LQ:	Y344	
Excepted quantity:	E1	
IATA-packing instructions - Passenger:		355
IATA-max. quantity - Passenger:		60 L
IATA-packing instructions - Cargo:		366
IATA-max. quantity - Cargo:		220 L

15. Regulatory information

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

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

16. Other information

Abbreviations and acronyms

Flam. Liq. 3: Flammable liquids
Asp. Tox. 1: Aspiration hazard

Relevant H statements (number and full text)

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.