

CONOSTAN® Total Acid Number Standard 8.0 mg/g KOH

Revision date: 09/19/2024

Product code: AC18.08119

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1. Identification
Product identifier

CONOSTAN® Total Acid Number Standard 8.0 mg/g KOH

Recommended use of the chemical and restrictions on use
Use of the substance/mixture

 Reagents and laboratory chemicals
 Only for laboratory and analysis purposes.

Uses advised against

Do not use for private purposes (household).

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
 +1 703-741-5970 (CHEMTREC)

Emergency phone number:
Further Information

No data available

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2. Hazard(s) identification

Classification of the chemical

Regulation (EC) No 1272/2008

Asp. Tox. 1; H304

Full text of hazard statements: see SECTION 16.

Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

"Distillates (petroleum), hydro-treated light; Kerosine - unspecified"

Signal word: Danger

Pictograms:



Hazard statements

H304 May be fatal if swallowed and enters airways

Precautionary statements

- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P331 Do NOT induce vomiting.
- P405 Store locked up.
- P501 Dispose of contents/container to an appropriate recycling or disposal facility.

Hazards not otherwise classified

No data available

3. Composition/information on ingredients

Mixtures

Relevant ingredients

CAS No	Components			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64742-47-8	"Distillates (petroleum), hydro-treated light; Kerosine - unspecified"			45 - < 50 %
	265-149-8	649-422-00-2		
	Asp. Tox. 1; H304			
67-63-0	"propan-2-ol; isopropyl alcohol; isopropanol"			1 - < 5 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Components	Quantity
	Specific Conc. Limits, M-factors and ATE		
64742-47-8	265-149-8	"Distillates (petroleum), hydro-treated light; Kerosine - unspecified"	45 - < 50 %
	inhalation: LC50 = > 5,28 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg		

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Further Information

No data available

4. First-aid measures

Description of first aid measures

General information

No data available

After inhalation

Provide fresh air.
Call a doctor if you feel unwell.

After contact with skin

Wash immediately with: Water, Soap
Take off immediately all contaminated clothing and wash it before reuse.
In case of skin irritation, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.
Remove contact lenses, if present and easy to do. Continue rinsing.
In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth.
Do NOT induce vomiting.
Observe risk of aspiration if vomiting occurs.
Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Gastrointestinal complaints
Pneumonia
Vapors may cause drowsiness and dizziness.
Dizziness
Depression of central nervous system
Headache

Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Foam
Carbon dioxide (CO₂)
Extinguishing powder
Water

Unsuitable extinguishing media

no restriction

Specific hazards arising from the chemical

Combustible liquids
Hazardous combustion products
In case of fire may be liberated:
Carbon dioxide (CO₂)
Carbon monoxide
In case of warming:

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Vapors are heavier than air, spread along floors and form explosive mixtures with air.

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Use water spray jet to protect personnel and to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General advice

In case of warming:

Vapors are heavier than air, spread along floors and form explosive mixtures with air.

Take precautionary measures against 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/vapors/spray.

For emergency responders

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

Environmental precautions

Do not allow to enter into surface water or drains.

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).

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

Collect in closed and suitable containers for disposal.

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/vapors/spray.

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

Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Read label before use. Handle and open container with care.

When using do not eat, drink, smoke, sniff. Keep container tightly closed.

Use personal protection equipment. Use extractor hood (laboratory).

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Do not breathe vapor or spray.

Provide adequate ventilation.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Take precautionary measures against static discharges.

In case of warming:

Vapors are heavier than air, spread along floors and form explosive mixtures with air.

Advice on general occupational hygiene

Keep away from food, drink and animal feedingstuffs.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of the protective agents should be clarified with their suppliers.

Further information on handling

Take off immediately all contaminated clothing and wash it before reuse.

Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary.

Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

TRGS 510

Further information on storage conditions

Keep cool. Protect from sunlight.

Specific end use(s)

Laboratory chemicals

Only for laboratory and analysis purposes.

8. Exposure controls/personal protection
Control parameters
Exposure limits

CAS No	Substance	ppm	mg/m ³	Category	Origin
67-63-0	2-Propanol	200	491	TWA (8 h)	ACGIH-2025
		400	984	STEL (15 min)	ACGIH-2025
67-63-0	Isopropyl alcohol	400	980	TWA (8 h)	REL
		400	980	TWA (8 h)	REL
		500	1225	STEL (15 min)	REL
-	Mineral oil, excluding metal working fluids (inhalable fraction); Pure, highly and severely refined		5	TWA (8 h)	ACGIH-2025
8012-95-1	Oil mist (mineral)	-	5	TWA (8 h)	REL
		-	10	STEL (15 min)	REL
8012-95-1	Oil mist, mineral	-	5	TWA (8 h)	REL

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Biological Exposure Indices (BEI-ACGIH)

CAS No	Substance	Determinant	Value	Test material	Sampling time
67-63-0	2-PROPANOL	Acetone	40 mg/L	urine	End of shift at end of workweek

DNEL/DMEL values

CAS No	Substance	DNEL type	Exposure route	Effect	Value
8042-47-5	White mineral oil, petroleum	Worker DNEL, long-term	inhalation	systemic	160 mg/m ³
		Worker DNEL, long-term	dermal	systemic	220 mg/kg bw/day
		Consumer DNEL, long-term	inhalation	systemic	35 mg/m ³
		Consumer DNEL, long-term	dermal	systemic	93 mg/kg bw/day
		Consumer DNEL, long-term	oral	systemic	40 mg/kg bw/day
67-63-0	"propan-2-ol; isopropyl alcohol; isopropanol"	Worker DNEL, long-term	inhalation	systemic	500 mg/m ³
		Worker DNEL, long-term	dermal	systemic	888 mg/kg bw/day
		Consumer DNEL, long-term	inhalation	systemic	89 mg/m ³
		Consumer DNEL, long-term	dermal	systemic	319 mg/kg bw/day
		Consumer DNEL, long-term	oral	systemic	26 mg/kg bw/day

PNEC values

CAS No	Substance	Environmental compartment	Value
67-63-0	"propan-2-ol; isopropyl alcohol; isopropanol"	Freshwater	140,9 mg/l
		Freshwater (intermittent releases)	140,9 mg/l
		Marine water	140,9 mg/l
		Freshwater sediment	552 mg/kg
		Marine sediment	552 mg/kg
		Secondary poisoning	160 mg/kg
		Micro-organisms in sewage treatment plants (STP)	2251 mg/l
		Soil	28 mg/kg

Exposure controls
Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Individual protection measures, such as personal protective equipment
Eye/face protection

goggles

Face protection umbrella

Hand protection

Tested protective gloves must be worn

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working

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place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Take off immediately all contaminated clothing and wash it before reuse .

Wash hands and face before breaks and after work and take a shower if necessary .

Draw up and observe skin protection programme.

Respiratory protection

Respiratory protection necessary at: aerosol or mist formation

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented. A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant a respirator's use.

Thermal hazards

No data available

Environmental exposure controls

Do not allow to enter into surface water or drains.

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

Physical state:	Liquid	
Color:	colorless	
Odor:	like: Hydrocarbons	
Odour threshold:	No data available	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and boiling range:		227-288 °C
Flammability:		No data available
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		No data available
Auto-ignition temperature:		No data available
Decomposition temperature:		No data available
pH-Value:		No data available
Viscosity / kinematic:		No data available
Water solubility:		No data available
Solubility in other solvents		
No data available		
Dissolution rate:		No data available
Partition coefficient n-octanol/water:		No data available
Dispersion stability:		No data available
Vapor pressure:		No data available
Vapor pressure:		No data available
Density:		0,79-0,84 g/cm ³
Relative density:		No data available
Bulk density:		No data available
Relative vapour density:		No data available
Particle characteristics:		No data available

Other information
Information with regard to physical hazard classes

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Explosive properties

In case of warming:

Vapors are heavier than air, spread along floors and form explosive mixtures with air.

Sustained combustibility:

No data available

Self-ignition temperature

Solid:

No data available

Gas:

No data available

Oxidizing properties

No data available

Other safety characteristics

Evaporation rate:

No data available

Solvent separation test:

No data available

Solvent content:

No data available

Solid content:

No data available

Sublimation point:

No data available

Softening point:

No data available

Pour point:

No data available

No data available

Viscosity / dynamic:

No data available

Flow time:

No data available

Further Information

No data available

10. Stability and reactivity

Reactivity

In case of warming:

Vapours may form explosive mixtures with air.

Chemical stability

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

Oxidising agent

Conditions to avoid

Heat

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible materials

No data available

Hazardous decomposition products

in case of fire, see:

SECTION 5: Fire fighting measures

Further information

No data available

11. Toxicological information

Information on toxicological effects

Toxicokinetics, metabolism and distribution

No data available

Acute toxicity

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

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ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
64742-47-8	"Distillates (petroleum), hydro-treated light; Kerosine - unspecified"				
	oral	LD50 > 5000 mg/kg	Rat	Study report (1992)	EPA OTS 798.1175
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1992)	EPA OTS 798.1100
	inhalation (4 h) vapour	LC50 > 5,28 mg/l	Rat	Study report (1987)	OECD Guideline 403

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.

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (STOT) - repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways

Route(s) of Entry

No data available

Specific effects in experiment on an animal

No data available

Additional information on tests

No data available

Practical experience

No data available

Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other information

No data available

Further information

Gastrointestinal complaints
 Pneumonia
 Vapors may cause drowsiness and dizziness.
 Dizziness
 Depression of central nervous system

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Headache

12. Ecological information
Ecotoxicity

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

CAS No	Components					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-47-8	"Distillates (petroleum), hydro-treated light; Kerosine - unspecified"					
	Acute fish toxicity	LL50 mg/l	2 - 5	96 h	Oncorhynchus mykiss	Study report (1994) OECD Guideline 203
	Acute algae toxicity	ErC50	8,3 mg/l	72 h	Raphidocelis subcapitata	Study report (1995) OECD Guideline 201
	Acute crustacea toxicity	EL50	1,4 mg/l	48 h	Daphnia magna	Study report (1995) OECD Guideline 202
67-63-0	"propan-2-ol; isopropyl alcohol; isopropanol"					
	Acute fish toxicity	LC50 mg/l	10000	96 h	Pimephales promelas	Publication (1983) OECD Guideline 203

Persistence and degradability

No data available

Bioaccumulative potential
Partition coefficient n-octanol/water

CAS No	Components	Log Pow
67-63-0	"propan-2-ol; isopropyl alcohol; isopropanol"	0,05

Mobility in soil

No data available

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other adverse effects

Do not allow to enter into surface water or drains.

Further information

Avoid release to the environment.

13. Disposal considerations
Waste treatment methods
Disposal recommendations

Send to a physico-chemical treatment facility under observation of official regulations.

Do not allow to enter into surface water or drains.

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

14. Transport information
Land transport (ADR/RID)

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UN number or ID number: UN 1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (propan-2-ol)
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3
 Classification Code: F1
 Special Provisions: 274 601
 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 1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (propan-2-ol)
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3
 Classification Code: F1
 Special Provisions: 274 601
 Limited quantity: 5 L
 Excepted quantity: E1

Marine transport (IMDG)

UN number or ID number: UN 1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (propan-2-ol)
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3
 Special Provisions: 223 274 955
 Limited quantity: 5 L
 Excepted quantity: E1
 EmS: F-E, S-E

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number: UN 1993
UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (propan-2-ol)
Transport hazard class(es): 3
Packing group: III
 Hazard label: 3
 Special Provisions: A3
 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

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

No dangerous good in sense of this transport regulation.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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No dangerous good in sense of this transport regulation.

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, Entry 75

Information according to Directive 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:

Observe employment restrictions for young people.

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

Eye Irrit. 2: Eye irritation

STOT SE 3: Specific target organ toxicity single exposure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method

Relevant H statements (full text)

- H225 Highly flammable liquid and vapor
- H304 May be fatal if swallowed and enters airways
- H319 Causes serious eye irritation
- H336 May cause drowsiness or dizziness

Other data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Provide appropriate information, instructions and training to users.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)