



Carly TESTOIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010
Date of issue: Revision date: 30/06/2017 Supersedes: 12/08/2015

Version: 8.0

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

1.1. Product identifier

Product form : Mixture
Product name : TESTOIL

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
Use of the substance/mixture : Acidity tests for refrigerating oils (refrigerating and air conditioning systems)
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

CARLY
ZI de Braille
69380 LISSIEU - FRANCE
T +33 (0)4 78 47 61 20 - F +33 (0)4 78 47 36 98
info@carly-sa.com

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0844 892 0111
United Kingdom	NPIS Edinburgh (Scottish Poisons Information Bureau) Royal Infirmary of Edinburgh	51 Little France Crescent EH16 4SA Edinburgh	0844 892 0111
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241

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
Eye Irrit. 2 H319
STOT SE 3 H336

Full text of classification categories and H statements: see section 16.

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

2-propanol

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 - Keep container tightly closed
P261 - Avoid breathing vapours
P280 - Wear eye protection, protective gloves
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

TESTOIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P403+P235 - Store in a well-ventilated place. Keep cool

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable.

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-propanol	(CAS no) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	70 - 100	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of H-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Wash immediately with lots of water.
First-aid measures after inhalation : Remove the victim into fresh air.
First-aid measures after skin contact : Do not apply (chemical) neutralizing agents. Remove clothing while washing. Wash immediately with lots of water.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion : Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Do not give activated charcoal. Immediately consult a doctor/medical service. Do not give chemical antidote.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Headache. May cause drowsiness or dizziness. Nausea. Vomiting.
Symptoms/injuries after skin contact : Skin irritation.
Symptoms/injuries after eye contact : Irritation of the eye tissue.
Symptoms/injuries after ingestion : Abdominal pain.
Chronic symptoms : Dry skin.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Alcohol-resistant foam. Dry chemical powder.
Unsuitable extinguishing media : High power water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : This product is flammable.
Hazardous decomposition products in case of fire : Carbon dioxide.

5.3. Advice for firefighters

Protection during firefighting : Wear respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No naked flames. Prevent spreading in sewers. Ventilate affected area.

6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Neoprene or nitrile rubber gloves.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Goggles. Protective gloves.

TESTOIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Dam up the liquid spill.
Methods for cleaning up : Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water.

6.4. Reference to other sections

See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station.
Hygiene measures : Do no eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep away from ignition sources. Direct sunlight. Store in a closed container.
Incompatible products : Oxidizing agent.
Storage temperature : 5 - 25 °C
Heat and ignition sources : Heat sources. ignition sources.
Storage area : Keep container tightly closed and in a well-ventilated place.
Packaging materials : Stainless steel. Glass.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-propanol (67-63-0)		
United Kingdom	Local name	Propan-2-ol
United Kingdom	WEL TWA (mg/m ³)	999 mg/m ³
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m ³)	1250 mg/m ³
United Kingdom	WEL STEL (ppm)	500 ppm

2-propanol (67-63-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	500 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	26 mg/kg bodyweight/day
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day
Long-term - local effects, inhalation	89 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	140,9 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	552 mg/kg dwt
PNEC (Soil)	
PNEC soil	28 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	2251 mg/l

TESTOIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

8.2. Exposure controls

Materials for protective clothing	: Wear suitable protective clothing
Hand protection	: Protective gloves made of rubber, latex, neoprene, nitrile
Eye protection	: Eye fountain. Wear safety glasses with side shields.
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Provide for sufficient ventilation and punctiform suction at critical points. High gas/vapour concentration: gas mask with filter type A



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear
Colour	: Violet
Odour	: Characteristic. Alcohols
Odour threshold	: No data available
pH	: Not specifically applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -90 °C to -88 °C
Freezing point	: No data available
Boiling point	: 82 – 83 °C
Flash point	: 13 °C
Self ignition temperature	: 425 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 48 hPa
Relative vapour density at 20 °C	: 2
Relative density	: No data available
Density	: 785 kg/m ³
Solubility	: Soluble in water
Log Pow	: 0,05 ; 25°C (octanol/water)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 2,43 mPa.s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosion limits	: 2 vol % 12 vol %

9.2. Other information

VOC content	: >= 90 %
-------------	-----------

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactivity hazard other than the effects described in sub-sections below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reacts vigorously with strong oxidizers, chloride compounds, amine, aldehyde, bases.

10.4. Conditions to avoid

Heat. Open flame. Sparks.

10.5. Incompatible materials

Aluminium, Butyl rubber.

TESTOIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

10.6. Hazardous decomposition products

No additional information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

2-propanol (67-63-0)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	73 mg/l/4h
LC50 inhalation rat (ppm)	2935 ppm/4h

Skin corrosion/irritation : Not classified
pH: Not specifically applicable

Serious eye damage/irritation : Causes serious eye irritation
pH: Not specifically applicable

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

TESTOIL	
Viscosity, kinematic	3,09554140 mm ² /s

SECTION 12: Ecological information

12.1. Toxicity

2-propanol (67-63-0)	
LC50 fishes 1	4200 mg/l (96 h, RASBORA HETEROMORPHA, FLOW-THROUGH SYSTEM)
LC50 other aquatic organisms 1	4600 mg/l (24 h, DAPHNIA MAGNA)
EC50 Daphnia 1	> 10000 mg/l (48 h, DAPHNIA MAGNA)
EC50 other aquatic organisms 1	1800 mg/l (72 h, ALGAE, CELL NUMBERS)
LC50 fish 2	9640 mg/l (96 h, PIMEPHALES PROMELAS, FLOW-THROUGH SYSTEM)
LC50 other aquatic organisms 2	1099 mg/l (48 h, CRANGON CRANGON, STATIC SYSTEM)
EC50 Daphnia 2	13299 mg/l (48 h, DAPHNIA MAGNA)
EC50 other aquatic organisms 2	> 1000 mg/l (72 h, SCENEDESMUS SUBSPICATUS, GROWTH)
Threshold limit other aquatic organisms 1	141 mg/l (384 h, DAPHNIA MAGNA)
Threshold limit other aquatic organisms 2	1050 mg/l (16 h, PSEUDOMONAS PUTIDA, TOXICITY TEST)
Threshold limit algae 1	1800 mg/l (168 h, SCENEDESMUS QUADRICAUDA, TOXICITY TEST)
Threshold limit algae 2	1000 mg/l (192 h, MICROCYSTIS AERUGINOSA, TOXICITY TEST)

12.2. Persistence and degradability

2-propanol (67-63-0)	
Biochemical oxygen demand (BOD)	1,19 g O ₂ /g substance
Chemical oxygen demand (COD)	2,23 g O ₂ /g substance
ThOD	2,40 g O ₂ /g substance
BOD (% of ThOD)	49 % ThOD

12.3. Bioaccumulative potential

2-propanol (67-63-0)	
Log Pow	0,05 ; 25°C. No bioaccumulation.

12.4. Mobility in soil

2-propanol (67-63-0)	
Surface tension	0,021 N/m (25°C)

TESTOIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

12.5. Results of PBT and vPvB assessment

TESTOIL

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

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

12.6. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional legislation (waste) : Disposal must be done according to official regulations.
Sewage disposal recommendations : Avoid any discharge of the product into waste water.

SECTION 14: Transport information

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

14.1. UN number

- UN-No. (ADR) : 1993
UN-No. (IMDG) : 1993
UN-No. (IATA) : 1993
UN-No. (ADN) : 1993
UN-No. (RID) : 1993

14.2. UN proper shipping name

- Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IATA) : Flammable liquid, n.o.s.
Proper Shipping Name (ADN) : FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (RID) : FLAMMABLE LIQUID, N.O.S.
Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (2-propanol), 3, II, (D/E)
Transport document description (IMDG) : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II

14.3. Transport hazard class(es)

ADR

- Transport hazard class(es) (ADR) : 3
Danger labels (ADR) : 3



IMDG

- Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3



IATA

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



ADN

- Transport hazard class(es) (ADN) : 3
Danger labels (ADN) : 3

TESTOIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010



RID

Transport hazard class(es) (RID) : 3
Danger labels (RID) : 3



14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II

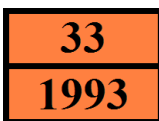
14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : F1
Special provision (ADR) : 274, 601, 640D
Limited quantities (ADR) : 1L
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02, R001
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T7
Portable tank and bulk container special provisions (ADR) : TP1, TP8, TP28
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage - Operation (ADR) : S2, S20
Hazard identification number (Kemler No.) : 33
Orange plates :



Tunnel restriction code (ADR) : D/E

- Transport by sea

Special provisions (IMDG) : 274
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, TP8, TP28
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : B

TESTOIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

MFAG-No : 127;128

- Air transport

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
Special provision (IATA) : A3
ERG code (IATA) : 3H

- Inland waterway transport

Classification code (ADN) : F1
Special provision (ADN) : 274, 61, 64D
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E2
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 1
Carriage prohibited (ADN) : No
Not subject to ADN : No

- Rail transport

Classification code (RID) : F1
Special provision (RID) : 274, 601, 640D
Limited quantities (RID) : 1L
Excepted quantities (RID) : E2
Packing instructions (RID) : P001, IBC02, R001
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T7
Portable tank and bulk container special provisions (RID) : TP1, TP8, TP28
Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 2
Colis express (express parcels) (RID) : CE7
Hazard identification number (RID) : 33
Carriage prohibited (RID) : No

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions
Contains no REACH candidate substance
Contains no REACH Annex XIV substances.

VOC content : >= 90 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

TESTOIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

SECTION 16: Other information

Indication of changes:

Hazards identification (Section 2) ; Exposure controls/personal protection (Section 8) ; Physical and chemical properties (Section 9) ; Stability and reactivity (Section 10) ; Toxicological information (Section 11) ; Ecological information (Section 12).

Full text of H-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity - Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

SDS (REACH Annex II)

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