

**ACITEST UNIPRO**
**100501500**
**SECTION 1 Identification of the substance/mixture and of the company/undertaking**
**1.1. Product identifier**
**Product name** : ACITEST UNIPRO

**1.2. Relevant identified uses of the substance or mixture and uses advised against**
**Recommended uses** : Acidity test for refrigeration oils

**1.3. Details of the supplier of the safety data sheet**

 : DEHON SERVICE  
 26 Avenue du Petit Parc  
 94683 VINCENNES Cedex France  
 Tel : +33 (0) 1 43 98 75 00  
 Fax : +33 (0) 1 43 98 21 51

**e-mail** : ContactFDS@climalife.dehon.com

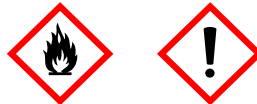
**1.4 Emergency telephone number** : EMERGENCY TELEPHONE NUMBER (24h/24) : + 33 (0) 1 72 11 00 03  
 Anti-poison Center : INRS/ORFILA (France) : +33 (0) 1 45 42 59 59  
 Anti-poison Centre (Belgium) : +32 70 245 245  
 Anti-poison Centre (Netherlands) : +31 30 274 8888  
 Anti-poison Centre (Spain) : +34 91 562 04 20  
 Anti-poison Centre (United Kingdom) : +44 870 600 6266  
 Poisons Information Centre (Hungary) : +36 80 201 199

**SECTION 2 Hazards identification**
**2.1. Classification of the substance or mixture**
**2.1.1. Regulation (EC) No 1272/2008 (CLP)**
**Physical hazards** : Flammable liquids - Category 2- (Flam. Liq. 2) - H225

**Health hazards** : Skin irritation - Category 2 (Skin Irrit. 2) - H315  
 Eye irritation - Category 2 (Eye Irrit. 2) - H319  
 Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 (STOT SE 3) ; H336

**2.1.2 Directive EEC/67/548 or 1999/45/CE** : F; R11  
 R67  
 Xi; R36/38

**2.2. Label elements**
**2.2.1 Labelling EC 1272/2008 (CLP)**
**Contains** : Isopropanol

**Hazard pictograms**

**Signal words** : Danger

**Hazard statements** : H225 : Highly flammable liquid and vapour  
 H315 : Causes skin irritation  
 H319 : Causes serious eye irritation  
 H336 : May cause drowsiness or dizziness

**Precautionary statements :**

- **Prevention** : P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P280 : Wear protective gloves/protective clothing/eye protection/face protection.

**DEHON SERVICE**

 26 Avenue du Petit Parc 94683 VINCENNES Cedex France  
 Tel : +33 (0) 1 43 98 75 00  
 Fax : +33 (0) 1 43 98 21 51



# MATERIAL SAFETY DATA SHEET

Page : 2 / 8

Version : 5

Date : 11 / 8 / 2015

Supersedes : 11 / 3 / 2010

**ACITEST UNIPRO****100501500**

## SECTION 2 Hazards identification (continued)

- **Storage** : P403 + P233 : Store in a well-ventilated place. Keep container tightly closed
  - **Disposal considerations** : P501 : Dispose of contents / container to an authorized center in accordance with national regulation
- 2.3. **Other hazards** : None under normal conditions.

## SECTION 3 Composition/information on ingredients

- 3.1./3.2. **Substance / Preparation** : Preparation  
**Components contributing to the hazard :**

Substance name	Contents	CAS No	EC No	Index No	Ref REACH	Classification
Propan-2-ol	40 60 %	67-63-0	200-661-7	603-117-00-0	01-2119457558-25	F; R11 R67 Xi; R36 ----- Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE3; H336
3-butoxypropan-2-ol	30 to 50 %	5131-66-8	225-878-4	603-052-00-8	01-2119475527-28	Xi; R36/38 ----- Flam. Liq. 3;H226 Skin Irrit. 2;H315 Eye Irrit. 2;H319

## SECTION 4 First aid measures

### 4.1. Description of first aid measures

- Inhalation** : IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.  
If breathing difficulties persist :
- Skin contact** : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
If skin irritation occurs: Get medical advice/attention
- Eye contact** : IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice.
- Ingestion** : Do not give anything to drink. Do not induce vomiting.  
Rinse mouth out with water  
Call a doctor immediately  
If possible show him this sheet. Failing this, show him the packaging or label

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

- Inhalation** : Dizziness, headaches, nausea  
Loss of consciousness
- Skin contact** : Drying up of the skin
- Ingestion** : On ingestion in large quantities :  
Digestive disorder.  
Vomiting

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

- : No information available

## DEHON SERVICE

26 Avenue du Petit Parc 94683 VINCENNES Cedex France  
Tel : +33 (0) 1 43 98 75 00  
Fax : +33 (0) 1 43 98 21 51



# MATERIAL SAFETY DATA SHEET

Page : 3 / 8

Version : 5

Date : 11 / 8 / 2015

Supersedes : 11 / 3 / 2010

**ACITEST UNIPRO**

**100501500**

## SECTION 5 Fire-fighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** : Water spray  
Foam  
Specific powders  
Carbon dioxide (CO<sub>2</sub>)

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** : Combustible  
Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours  
May form an explosive mixture in the presence of air

### 5.3. Advice for firefighters

**Specific fire fighting methods** : Do not attempt to fight the fire without suitable protective equipment  
Cool down the containers exposed to heat with a water spray  
Be careful, the product may re-ignite  
Do not dispose of fire-fighting water in the environment

### Protection of fire-fighters

: Complete protective clothing  
Self-contained breathing apparatus

## SECTION 6 Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures** : Avoid contact with skin and eyes  
Do not breathe vapours  
No flames, No sparks. Eliminate all sources of ignition  
Mechanically ventilate the spillage area, whilst avoiding the formation of explosive concentrations.

**6.2. Environmental precautions** : Contain the spilled material by bunding  
Do not discharge into drains (explosive hazard)

### 6.3. Methods and material for containment and cleaning up

**- Neutralization** : Absorb with :  
- absorbent material

**- Cleaning/decontamination** : Wash non-recoverable remainder with large amounts of water

**6.4 Reference to other sections** : For further information refer to section 8 "Exposure controls/personal protection"

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

**Technical measures** : Vapour extraction at source  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Ground/bond container and receiving equipment  
Suction hood  
Use only non-sparking tools  
Take precautionary measures against static discharge

### Precautions

: Avoid contact with skin and eyes  
Do not breathe vapours  
Use the product in areas lacking of flammables or other ignition sources  
Handle in well ventilated areas  
Do not smoke

## DEHON SERVICE

26 Avenue du Petit Parc 94683 VINCENNES Cedex France  
Tel : +33 (0) 1 43 98 75 00  
Fax : +33 (0) 1 43 98 21 51



# MATERIAL SAFETY DATA SHEET

Page : 4 / 8

Version : 5

Date : 11 / 8 / 2015

Supersedes : 11 / 3 / 2010

**ACITEST UNIPRO****100501500**

## SECTION 7 Handling and storage (continued)

- Safe handling advice :** : Comply with instructions for use (refer to technical sheet).
- Industrial hygiene** : Always wash your hands immediately after handling this product, and once again before leaving the workplace
- 7.2. Conditions for safe storage, including any incompatibilities**
- Storage conditions**
- Recommended** : Keep container tightly closed  
Keep cool.  
Store in a well-ventilated place. Keep container tightly closed  
Store :  
- away from heat  
- away from any source of ignition  
- at temperature between 15 °C and 25 °C
- Incompatible products** : Strong oxidizing agents
- Packaging materials**
- Recommended** : Glass  
Stainless steel
- Not suitable** : Light metals  
Aluminium  
Rubbers  
Plastic materials.
- 7.3. Specific end use(s)** : No information available

## SECTION 8 Exposure controls/personal protection

- 8.1. Control parameters**
- Engineering measures** : Extraction to remove vapours at their source.  
Monitor the atmosphere at regular intervals.
- 8.1.1. Occupational Exposure Limits** : Propan-2-ol : France : LEP - VLE (15min; mg/m<sup>3</sup>) : 980  
Propan-2-ol : France : LEP - VLE (15min; ppm) : 400  
Propan-2-ol : Germany : MAK - TWA (8h; mg/m<sup>3</sup>) : 500  
Propan-2-ol : Germany : MAK - TWA (8h; ppm) : 200  
Propan-2-ol : Germany : MAK - STEL (15min; mg/m<sup>3</sup>) : 1000  
Propan-2-ol : Germany : MAK - STEL (15min; ppm) : 400  
Propan-2-ol : Hungary : AK - TWA (8h; mg/m<sup>3</sup>) : 500  
Propan-2-ol : Hungary : AK - STEL (15min; mg/m<sup>3</sup>) : 2000  
Propan-2-ol : Belgium : GWBB - TWA (8h; mg/m<sup>3</sup>) : 500  
Propan-2-ol : Belgium : GWBB - TWA (8h; ppm) : 200  
Propan-2-ol : Belgium : GWBB - STEL (15min; mg/m<sup>3</sup>) : 1000  
Propan-2-ol : Belgium : GWBB - STEL (15min; ppm) : 400  
Propan-2-ol : USA (NIOSH) : REL - TWA (8h; mg/m<sup>3</sup>) : 980  
Propan-2-ol : USA (NIOSH) : REL - TWA (8h; ppm) : 400  
Propan-2-ol : USA (NIOSH) : REL - STEL (15min; mg/m<sup>3</sup>) : 1225  
Propan-2-ol : USA (NIOSH) : REL - STEL (15min; ppm) : 500  
Propan-2-ol : Switzerland : LEP - VME (8h; mg/m<sup>3</sup>) : 500  
Propan-2-ol : Switzerland : LEP - VME (8h; ppm) : 200  
Propan-2-ol : Switzerland : LEP - VLE (15min; mg/m<sup>3</sup>) : 1000  
Propan-2-ol : Switzerland : LEP - VLE (15min; ppm) : 400
- 8.2. Exposure controls**
- Personal protection :** : Wear protective gloves/protective clothing/eye protection/face protection.
- Respiratory protection** : If the ventilation is suitable, it is not essential to wear respiratory equipment  
If the occupational exposure limit is exceeded : Mask with a filter device type A

### DEHON SERVICE

26 Avenue du Petit Parc 94683 VINCENNES Cedex France  
Tel : +33 (0) 1 43 98 75 00  
Fax : +33 (0) 1 43 98 21 51



# MATERIAL SAFETY DATA SHEET

Page : 5 / 8

Version : 5

Date : 11 / 8 / 2015

Supersedes : 11 / 3 / 2010

**ACITEST UNIPRO****100501500**

## SECTION 8 Exposure controls/personal protection (continued)

- Hand protection : Butyl, Nitrile-rubber or neoprene protective gloves  
Do not use leather protective gloves
- Eye protection : Safety goggles
- Skin protection : Suitable protective clothing

## SECTION 9 Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### 9.1.a. Appearance

Physical state : Liquid

Colour : blue

9.1.b. Odour : characteristic

9.1.c. Odour threshold : No information available

9.1.d. pH : No information available

9.1.e. Melting point / Freezing point : No information available

9.1.f. Initial boiling point - boiling range : Initial : 91 °C

9.1.g. Flash point : +17,5 °C (Closed cup)

9.1.h. Evaporation rate : No information available

9.1.i. Flammability : Highly flammable liquid and vapour

#### 9.1.j. Explosion limits (lower - upper)

Explosion limits - lower : 1.1 % (volume)

Explosion limits - upper : 12 % (volume)

9.1.k. Vapour pressure : No data available

9.1.l. Vapour density : No information available

9.1.m. Density : 0.82 g/cm<sup>3</sup> at 20 °C

#### 9.1.n. Solubility

-in water : Partially soluble at 20 °C

9.1.o. Partition coefficient : n-octanol / water : No information available

9.1.p. Auto-ignition temperature : &gt;260 °C

9.1.q. Thermal decomposition : No information available

9.1.r. Viscosity : No information available

9.1.s. Explosive Properties : Not explosive material according to EC criteria

9.1.t. Oxidising properties : Non oxidizing material according to EC criteria

9.2. Other information : -

## DEHON SERVICE

26 Avenue du Petit Parc 94683 VINCENNES Cedex France

Tel : +33 (0) 1 43 98 75 00

Fax : +33 (0) 1 43 98 21 51

**ACITEST UNIPRO**
**100501500**
**SECTION 10 Stability and reactivity**

- 10.1. Reactivity : No information available
- 10.2. Chemical stability : Stable under normal conditions of use
- 10.3. Possibility of hazardous reactions : No information available
- 10.4. Conditions to avoid : - heat, sparks, high temperatures, naked flames
- 10.5. Incompatible materials : - air or oxygen  
- strong acids  
With sodium gives an alcoholate while slowly releasing hydrogen  
- strong oxidizing agents  
Explosive reaction with :  
- Hydrogen peroxide  
- Nitric acid.  
- Chromium trioxide
- 10.6. Hazardous decomposition products : On combustion or on thermal decomposition (pyrolysis) releases :  
Carbon oxides (CO, CO<sub>2</sub>)

**SECTION 11 Toxicological information**

- 11.1. Information on toxicological effects
- Acute toxicity : No information available
  - Skin corrosion/irritation : Causes skin irritation
  - Serious eye damage/irritation : Causes serious eye irritation
  - Respiratory or skin sensitisation : No information available
  - Germ cell mutagenicity : No information available
  - Carcinogenicity : No information available
  - Reproductive toxicity : No information available
  - STOT-single exposure : May cause drowsiness or dizziness
  - STOT-repeated exposure : No information available
  - Aspiration hazard : No information available

**SECTION 12 Ecological information**

- 12.1. Toxicity : No information available  
Do not allow the product, as is, to spread into the environment
- Effects on the aquatic environment
- On ingredients
- 3-butoxypropan-2-ol : 48 Hours - LC50 - Daphnia magna [mg/l] : > 1  
: 96 Hours - LC50 - Fish (Poecilia reticulata) : 0.56 to 1  
: 96 Hour - EC50 - Algae (Selenastrum capricornutum) [mg/l] : 650
- Propan-2-ol : 48 Hour - EC50 - Daphnia magna [mg/l] : 13299  
: 72 Hours - EC50 - Algae [mg/l] : > 1000  
: 96 Hours - LC50 - Fish [mg/l] : 9640
- 12.2. Persistence and degradability
- Biodegradability : The solvents used in this preparation are easily biodegraded  
Propan-2-ol : 50 % biodegradation after 1 - 10 days  
3-butoxypropan-2-ol : 60 - 90 % biodegradation after 28 days

**DEHON SERVICE**

26 Avenue du Petit Parc 94683 VINCENNES Cedex France  
Tel : +33 (0) 1 43 98 75 00  
Fax : +33 (0) 1 43 98 21 51

**ACITEST UNIPRO**
**100501500**
**SECTION 12 Ecological information (continued)**
**12.3. Bioaccumulative potential**

Octanol/water partition coefficient : Propan-2-ol : - 0.16 (log POW)  
 Not bioaccumulable  
 3-butoxypropan-2-ol : 0.98 (log POW)

Bioconcentration factor. : 3-butoxypropan-2-ol : BCF = 3.2 (estimated value)  
 Not potentially bioaccumulable.

12.4. Mobility in soil : No information available

12.5. Results of PBT and vPvB assessment : No information available

12.6. Other adverse effects : No information available

**SECTION 13 Disposal considerations**
**13.1. Waste treatment methods**
**WASTE FROM PRODUCT :**

Prohibition : Do not discharge waste into drains

Destruction/Disposal : Dispose of contents / container to an authorized center in accordance with national regulation

**CONTAMINATED PACKAGING :**

Destruction/Disposal : Empty the container completely  
 Submit to an approved disposer

NOTE : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal

**SECTION 14 Transport information**

14.1. UN number : UN 1993

14.2. UN proper shipping name : FLAMMABLE LIQUID, N.O.S. (Propan-2-ol, 3-butoxypropan-2-ol)

14.3. Transport hazard class(es) : 3

Hazard Label(s) : 3



14.4. Packing group : II

14.5. Environmental hazards : Marine pollutant : NO  
 Not classified as dangerous to the aquatic environment

**14.6. Special precautions for user**

Rail/road (RID/ADR) : Hazard identification number : 33  
 Classification code : F1  
 Tunnel restriction code : (D/E)

Sea transport : EmS Nr : F-E, S-E

Air transport (OACI/IATA) : Cargo aircraft:  
 Packing instruction: 364  
 Quantity: 60 L  
 Passenger aircraft:  
 Packing instruction: 353  
 Quantity: 5 L

**DEHON SERVICE**

26 Avenue du Petit Parc 94683 VINCENNES Cedex France  
 Tel : +33 (0) 1 43 98 75 00  
 Fax : +33 (0) 1 43 98 21 51



# MATERIAL SAFETY DATA SHEET

Page : 8 / 8

Version : 5

Date : 11 / 8 / 2015

Supersedes : 11 / 3 / 2010

**ACITEST UNIPRO****100501500**

## SECTION 14 Transport information (continued)

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 : Ensure all national/local regulations are observed.

France : Professional diseases(table(s) nr 84) : applicable

15.2. Chemical safety assessment : No information available

## SECTION 16 Other information

**Further information** : Product for professional use only  
For more information regarding the use of this product, please refer to our technical information or contact the sales department in your region  
This safety data sheet has been written in conformity with the regulation (UE) 453/2010.

**Text of R-Phrases in § 3** : R11 : Highly flammable.  
R36 : Irritating to eyes.  
R36/38 : Irritating to eyes and skin.  
R67 : Vapours may cause drowsiness and dizziness.

**Text of H-Phrases in § 3** : H225 - Highly flammable liquid and vapour  
H226 - Flammable liquid and vapour  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness

\* Update : All chapters have been modified since the previous version

This sheet complements the technical sheets but does not replace them. The information given is based on our knowledge of the product, at the time of publication. It is given in good faith.  
Besides, the attention of the user is drawn to the possible risks incurred by using the product for any other use than that for which it was intended.

In no way does this exempt the user from knowing and applying all the regulations controlling his activity. He alone will take on the responsibility for taking the precautions involved by the use of the product.

The aim of all the mandatory regulations mentioned is just to help the user to fulfil his obligations regarding the use of hazardous products.

This information must not be considered exhaustive. It does not exempt the user from ensuring that other obligations than those mentioned could apply, related to the storage and use of the product, this being his sole responsibility.

**End of document**

## DEHON SERVICE

26 Avenue du Petit Parc 94683 VINCENNES Cedex France  
Tel : +33 (0) 1 43 98 75 00  
Fax : +33 (0) 1 43 98 21 51