SAFETY DATA SHEET

Instrument Cleaner; Concentrated

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name	: Instrument Cleaner; Concentrated
Trademark	: LIQUISEPT™ QAS CON
Product Ref No	: 6018

1.2. Relevant identified uses of the substance ot mixture and uses advised against:

Used for pre-disinfection of medico-surgical instruments, medical devices, thermosensitive instrumentation, and endoscopes. Suitable for soaking baths, ultrasonic bins and automatic washing machines.

1.3. Manufacturer:

Company Name	**:** GBL Gül Biyoloji Laboratuvarı Sanayi ve Ticaret Anonim Şirketi
Address	**: HQ:** Serifali Mah. Hattat Sk. No:10 P.O.: 34775 Ümraniye İstanbul TÜRKİYE **Factory:** Dudullu OSB Mah. IMES C Blok 305 Sk. No:16 P.O.: 34775 Ümraniye İstanbul TÜRKİYE
Telephone	**:** +90 216 364 15 00
Fax	**:** +90 216 314 15 69
E-mail	**:** export@gbl.com.tr

1.4. E-Mail Address Of The Person Responsible For The MSDS:

Andaç Arslan – Chemist – andac@gbl.com.tr

1.5. Emergency Telephone Number:

Telephone: +90 (216) 364 15 00 or contact your local emergency telephone number

2. HAZARD IDENTIFICATION

2.1. *Classification of the Substance or Mixture*

2.1.1. *Product Definition:*

Mixture

2.1.2. *Classification according to Regulation (EC) No. 1272/2008 [CLP]*

Skin Corrosion, Category 1B; H314

2.2. *Label Elements*

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

2.2.2. *Signal word:*

Danger

2.2.3. *Hazard Statement:*

H314: Causes severe skin burns and eye damage.

2.2.4. *Precautionary statements:*

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

2.3. *Other Hazards*

None

3. COMPOSITION/INFORMATION ON INGREDENTS

3.1. Substance:

Not applicable

3.2. Mixture:

Chemical Name	EC No	CAS No	Concentration	Classification
Edta tetrasodium salt	200-449-4	60-00-4	>= 1 - < 2%	Eye Irrit. 2; H319
2-Propanol	200-661-7	67-63-0	>= 3 - < 7%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Benzotriazole	202-394-1	95-14-7	>= 0 - < 1%	Acute Tox. 4, H302 Acute Tox. 4, H302 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Alkyl Aryl Polyglycol Ether	500-315-8	127087-87-0	>= 3 - < 7%	Acute Tox. 4, H302 Acute Tox. 4; H332 Skin Irrit. 2, H315 Eye Dam. 2, H318 Aquatic Chronic 2; H411
Didecyl Dimethyl Ammonium Chloride 80%	-	68424-95-3	>= 5 - < 8%	Acute Tox. 4, H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Corr. 1B, H314
Alkyl Dimethyl Benzyl Ammonium Chloride 50 %	-	68424-85-1	>= 8 - < 10%	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Aquaitc Acute 1; H400

4. FIRST AID MEASURES

4.1. *Description of first aid measures*

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

Remove the victim into fresh air. Immediately consult a doctor/medical service.

In case of skin contact

Wash immediately with lots of water. Remove clothing before washing. Consult a doctor/medical service.

In case of eye contact

Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Take the victim to an ophthalmologist if irritation persists.

If swallowed

Rinse mouth with water. Give nothing to drink. Do not induce vomiting. Immediately consult a doctor/medical service. Take the container/vomit to the doctor/hospital.

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

No data available.

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

No data available.

5. FIREFIGHTING MEASURES

5.1. *Extinguishing Media:*

5.1.1. *Suitable Extinguishing Media:*

The product itself is non-combustible, fire extinguishing methods of surrounding areas must be considered.

5.1.2. *Unsuitable Extinguishing Media:*

None known.

5.2. *Special Hazards Arising From The Substance Or Mixtures:*

In the event of fire the following can be released: Carbon monoxide (CO).

5.3. *Advice for firefighters:*

5.3.1. ***Special precautions for firefighters:*** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

5.3.2. ***Special protective equipment for fire-fighters:*** Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

6. ACCIDENTAL RELEASE MEASURES

6.1. *Personal precautions, protective equipment and emergency procedures*

Avoid contact with eyes and skin. Make sure there is good ventilation. Do not breathe waste. For personal protection see section 8.

6.2. *Environmental precautions*

Do not let the product enter drains.

6.3. *References To Other Sections*

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1. *Precautions for safe handling*

Wear personal protective equipment. Avoid contact with eyes. Make sure there is good ventilation. Avoid direct contact with the substance. For precautions see section 2.2.

7.2. *Conditions for safe storage, including any incompatibilities*

Ensure adequate and good ventilation. The tank must be cool and dry. Smoking, eating and drinking should be prohibited in the environment. Store the substance/preparation in its original container.
For the recommended storage temperature, see the product label.

7.3. *Specific end use(s)*

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONEL PROTECTION

8.1. *Control Parameters*

Chemical Name	Exposure Limits					
	TWA(3) (8 h.) OSHA PEL		TWA(3) (8 h.) NIOSH REL		STEL(4) (15 min.)	
	mg/m³ (5)	ppm (6)	mg/m³ (5)	ppm (6)	mg/m³	ppm
Propan-2-ol	980	400	-	-	-	500

8.2. *Exposure Controls*

Appropriate engineering controls

Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts

Skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let the product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. *Information On Basic Physical and Chemical Properties*

Form	: Liquid
Odor	: Lemon
pH @ 25 °C (ca)	: 7,5 +/- 0,3
Melting point/freezing point	: Not determinated.
Flash point	: Not applicable.
Evaporation rate	:Not applicable.
Upper/Lower Flammability or explosive limits	: Not applicable.
Vapor pressure	: Not determinated.
Density	: Not applicable.
Solubility(ies)	: Soluble.
Viscosity	: Not applicable.
Explosive properties	: Not applicable.
Oxidizing properties	: Not applicable.
Decomposition temperature	:Not determinated.

Note: *Integers (i.e. 3 or 7) should be read in as decimals (3,0 or 7,0).*

10. STABILITY AND REACTIVITY

10.1. *Reactivity:*

Reactions with strong alkalies and oxidizing agents.

10.2. *Chemical Stability*

The product is stable in conditions without a supply of air, of moisture.

10.3. ***Possibility of Hazardous***

Reactive with: strong alkalies and oxidizing agents.
Reactions can lead to the risk of an explosion.

10.4. ***Conditions to avoid***

No data available.

10.5. **Incompatible materials**

Acids, phenol, metals, nitrile, cyanide salt, oxidizing materials, organic chemicals – combustible.

10.6. **Hazardous Decomposition Products:**

No dangerous substances are released.

11. TOXICOLOGY INFORMATION

11.1. ***Information On Toxicological Effects***

11.1.1. ***Acute Toxicity:***

Chemical name	LD50 Oral (mg/kg)	LD50 Dermal (mg/kg)	LC50 Inhalation (mg/l)
Benzotriazole	*560 (rat)*	*> 2000 (rabbit)*	*1,4 mg/l; 4 h (rat)(RTECS)*
Propan-2-ol	*5045 (rat)*	*12800 (rabbit)*	*46,5 mg/l; 4 h (rat)*
Didecyldimethylammonium Chloride, 80%	*645 (rat)*	-	-
Alkyl dimethylbenzyl ammonium Chloride, 50%	*240 (rat)*	*1420 (rabbit)*	-
EDTA, tetrasodium salt	*16000 (rat)*	*4490 (rabbit)*	-

11.2. ***Irritation/Corrosion***

11.2.1. *Eyes:*Causes burns.

11.2.2. *Skin:*Causes burns.

11.3. ***Sensitizer***

11.3.1. *Skin:*Causes burns.

11.3.2. *Respiratory: No data available*

11.4. ***Mutagenicity:***

11.4.1. *Conclusion/Summary:*No mutagenic effect.

11.5. ***Carcinogenicity:***

11.5.1. *Conclusion/Summary:*No known significant effects or critical hazards.

11.6. ***Reproductive toxicity:***

11.6.1. *Conclusion/Summary:*No known significant effects or critical hazards.

11.7. ***Specific target organ toxicity (single exposure):*** Not available.

11.8. ***Specific target organ toxicity (repeated exposure):*** Not available.

11.9. ***Aspiration Hazard:*** This information is not avaible.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Propan-2-ol [CAS No 67-63-0]

LC50 Fish (96 hours)

Minimum	4200 mg/l
Maximum	11100 mg/l
Median	9640 mg/l

Reference: Brooke, L.T., D.J. Call, D.L. Geiger, and C.E. Northcott 1984. Acute Toxicities of Organic Chemicals to Fathead Minnows (Pimephales promelas), Vol. 1. Center for Lake Superior Environmental Stud., Univ.of Wisconsin-Superior, Superior, WI :414

LC50 Crustaceans (48 hours)

Minimum 1400 mg/l
Maximum 1400 mg/l
Median 1400 mg/l

Reference:Blackman, R.A.A. 1974. Toxicity of Oil-Sinking Agents. Mar. Pollut. Bull. 5.116-118

12.2. *Persistence and Degradbility*

12.2.1. *Conclusion/Summary:*Easily soluble in the following materials: water, air.

12.3. *Bioaccumulative potential*

Not applicable.

12.4. *Mobility In Soil*

12.4.1. *Soil/water partition coefficient (KOC): no data available*

12.4.2. *Mobility:no data available*

12.5. *Result of PBT and vPvB Assessment:*

12.5.1. **PBT:** No

12.5.2. **vPvB:** No

12.6. *Other Advers Effects:*

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

13.1. *Waste treatment methods*:

Waste materials must be disposed of in accordance with Directive 2008/98/EC and other National and Local Regulations. Leave chemicals in original containers. Do not mix with other waste. Treat uncleaned containers as the product itself.

14. TRANSPORT INFORMATION

	ADR[3]/RID[4]	ADNR[5]	IMDG[6]	ICAO[7]/IATA[8]
UN/ID No.	1760	1760	1760	1760
PROPER SHİPPİNG NAME	CORROSİVE LİQUİD	CORROSİVE LİQUİD	CORROSİVE LİQUİD	CORROSİVE LİQUİD
CLASS	8	8	8	8
PACKING GROUP	II	II	II	II
CLASSIFICATION CODE	C9			
EmS			F-A; S-B	
ENVİROMENTAL HAZARDOUS			no	
LABEL	8	8	8	8

[3] ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
[4]RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
[5]ADNR: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
[6] IMDG: International Maritime Code for Dangerous Goods
[7] ICAO: International Civil Aviation Organization
[8] IATA: International Air Transport Association.

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. *Chemical Safety Assessment*

For this product a chemical safety assesment was not carried out.

16. OTHER INFORMATION

Notice to Reader :

The information contained herein in accurate to the latest knowledge and describes the product from the point of view of help and environmental protection as well as safe handling. The information presented in this SDS refers to the technical product only and will not apply to any processed product. Final determination of suitability of any materials is the sole responsibility of the user.