



# Material Safety Data Sheet

According to 1907/2006/EC, Article 31

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Printing date: 17.09.2019

Version number 6

Issue: 14.11.2017

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

### 1.1 Product identifier

Trade name: **BalcoNano Cleaner**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

**Application of the substance / the mixture:** Pretreatment for glass surfaces

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

Balconette

Unit 6 Systems House, Eastbourne Road, Blindley Heath

RH7 6JP Lingfield, Surrey

Great Britain

Tel.: 01342-410411

Fax: 01342-410412

Email: Enquiries@balconette.co.uk

**Further information obtainable from:** Department laboratory

### 1.4 Emergency telephone number: local hospital

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

#### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Has a narcotizing effect.

#### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS02

GHS07

**Signal word** Danger

#### Hazard-determining components of labelling:

propan-2-ol

#### Hazard statements

H225 Highly flammable liquid and vapour.

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### Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P241 Use explosion-proof electrical/ventilating/lightingequipment.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixture

**Description:** Mixture of substances listed below with non-hazardous additions.

#### Dangerous components :

CAS : 67-63-0 EINECS : 200-661-7 Index number : 603-117-00-0 Reg.nr. : 01-2119457558-25	Propan-2-ol ----- Flam. Liq. 2, H225; Eye Irrit. 2, H319 ; STOT SE 3, H336	25-50%
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**SVHC** None of the ingredients are listed.

**Additional information** For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Immediately rinse with water.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

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

No further information available.

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

No further information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

In case of fire, the following can be released:

Carbon monoxide (CO)



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### 5.3 Advice for firefighters

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information:** Cool endangered receptacles with water spray.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Wear protective clothing.

Ensure adequate ventilation.

Keep away from ignition sources.

### 6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders)

Ensure adequate ventilation.

Dispose of the material collected according to regulations.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

**Information about fire- and explosion protection:**

Keep ignition sources away – Do not smoke.

Protect against electrostatic charges.

### 7.2 Conditions for safe storage, including any incompatibilities:

#### Storage

**Requirements to be met by storerooms and receptacles:** Store in a cool location.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:**

Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.

### 7.3 Specific end use(s):

No further relevant information available.

## SECTION 8: Exposure controls / personal protection

**Additional information about design of technical facilities:**

No further data; see item 7.

### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace**

**67-63-0 propan-2-ol**

WEL (Great Britain)	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
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**Tradename: BalcoNano Cleaner**

**Regulatory information** WEL (Great Britain): EH40/2011

DNELs		
67-63-0 propan-2-ol		
Oral	DNEL (Long-term – systemic effects)	26 mg/kg bw/day (population)
Dermal	DNEL (Long-term – systemic effects)	888 mg/kg bw/day (worker)
Inhalative	DNEL (Long-term – systemic effects)	319 mg/kg bw/day (population)
		500 mg/m <sup>3</sup> (worker)
		89 mg/m <sup>3</sup> (population)
PNECs		
67-63-0 propan-2-ol		
Oral	PNEC	160 mg/kg food
	PNEC	28 mg/kg (ground)
	PNEC aqua	2251 mg/l (sewage treatment plant)
		140.9 mg/l (sea water)
		140.9 mg/l (intermittent releases)
		140.9 mg/l (freshwater)
	PNEC sediment	552 mg/kg (sea water)
		552 mg/kg (freshwater)

**Additional information:** The lists valid during the making were used as basis.

## 8.2 Exposure controls

### Personal protective equipment

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

#### Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A

#### Protection of hands:



Protective gloves (EN 374)

#### Material of gloves

Butyl rubber, BR

#### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Because of large type variety, the instructions of the manufacturers are to be observed.

#### Eye protection:



Tightly sealed goggles.

**Body protection:** Protective work clothing.



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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General information

#### Appearance:

**Form:**

Fluid

**Colour:**

Colourless

**Odour:**

Like alcohol

**Odour threshold:**

Not determined

**pH-value at 20°C:**

ca. 12,5 (DIN 19268)

#### Change in condition

**Melting point/freezing point:**

undetermined

**Initial boiling point and boiling range:**

82°C

**Flash point:**

19°C (Abel-Pensky)

**Ignition temperature:**

425°C

**Auto-ignition temperature:**

Product is not self-igniting

**Explosive properties:**

Product is not explosive. However, formation of explosive air / vapour mixtures are possible.

#### Explosion limits:

**Lower:**

2,0 Vol %

**Upper:**

12,0 Vol %

**Vapour pressure at 20°C:**

42 hPa

**Density at 20°C:**

ca. 0,90 g/cm<sup>3</sup> (DIN 51757)

**Solubility in / Miscibility with**

**Water:**

Fully miscible.

**Organic solvents:**

50%

### 9.2 Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available

### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:**

High temperatures.

### 10.3 Possibility of hazardous reactions:

Reacts with oxidizing agents.

### 10.4 Conditions to avoid:

No further relevant information available.

### 10.5 Incompatible materials:

No further relevant information available.

### 10.6 Hazardous decomposition products:

No dangerous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute Toxicity:** Based on the available data, the classification criteria are not met.



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LD/LC50 values relevant for classification		
67-63-0 propan-2-ol		
Oral	LD <sub>50</sub>	4570 mg/kg (rat)
Dermal	LD <sub>50</sub>	13400 mg/kg (rab)
Inhalative	LC <sub>50</sub> / 4h	30 mg/l (rat)

**Primary irritant effect:**

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

**Serious eye damage/irritation** Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Additional toxicological information:**

Causes defatting of the skin.

Inhalation causes narcotic effects/intoxication.

The product was not tested. The statements is derived from the characteristics of the single components.

**CMR effects (carcinogenity mutagenicity and toxicity 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** May cause drowsiness or dizziness.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

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

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic Toxicity:**

67-63-0 propan-2-ol	
EC <sub>50</sub> / 72h	> 1000 mg/l (Scenedesmus subspicatus)
LC <sub>50</sub> / 48h	> 1000 mg/l (gol)

**12.2 Persistence and degradability** No further relevant information available.

**Other information:** No data available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects**

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment measures

**Recommendation:** Must be specially treated adhering to official regulations.



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**Waste disposal key:**

The allocation of the waste disposal key number is to be executed after European refuse catalog industry and process specifically.

**Uncleaned packaging:**

**Recommendation:**

Packaging may be reused or recycled after cleaning.

**Recommended cleansing agents:**

Water, if necessary together with cleansing agents.

## SECTION 14: Transport information

**14.1 UN-Number**

ADR, IMDG, IATA

UN1219

**14.2 UN proper shipping name**

ADR

UN1219 ISOPROPANOL (ISOPROPYL ALCOHOL) solution

IMDG, IATA

ISOPROPANOL (ISOPROPYL ALCOHOL) solution

**14.3 Transport hazard class(es)**

ADR



Class

3 (F1) Flammable liquids.

Label

3

-----  
IMDG, IATA



Class

3 Flammable liquids.

Label

3

**14.4 Packing group**

ADR, IMDG, IATA

II

**14.5 Environmental hazards:**

Not applicable.

**14.6 Special precautions for user**

Danger code (Kemler):

Warning: Flammable liquids.

EMS-Number:

33

Stowage Category

F-E, S-D

B

**14.7 Transport in bulk according Annex II of MARPOL and the IBC Code**

Transport/Additional information:

Not applicable.

-----  
ADR

Limited quantities (LQ)

1L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml



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<b>Transport category</b>	2
<b>Tunnel restriction code</b>	D/E
-----	
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	1L
<b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<b>UN „Model Regulation“</b>	UN1219, ISOPROPANOL (ISOPROPYL ALCOHOL) solution, 3, II

## SECTION 15: Regulatory information

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

**Directive 2012/18/EU**

**Named dangerous substances – Annex I** None of the ingredients is listed.

**Seveso category** P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5000 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50000 t

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

**National regulations:**

**Breakdown regulations:** Critical quantity values according to the regulations on accidents should be adhered to.

**Technical instructions (air):**

Class	Share in %
NK	25-50

**15.2 Chemical safety assessment** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Relevant phrases

H225 Highly flammable liquid or vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

### Abbreviations and acronyms:

RID: Règlement international concernant des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ALD: Approximate Lethal Dose

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)



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DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

PBT : Persistent, Bioaccumulative and Toxic

SVHC : Substance of Very High Concern

VPvB : very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids - Category 2

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

STOT SE 3: Specific target organ toxicity (Single exposure) - Category 3

**\* Data compared to the previous version altered.**