

**Date of issue:** 02.05.2011 **Replaces Data Sheet of :**

"\*\*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

## 1 Identification of Substance / Preparation and Company

### 1.1 Identification of Substance or Preparation

**Trade Name :** BalcoNano\_Cleaner

**Use:** pre treatment for glass / ceramic

### 1.2 Company / Undertaking Identification

#### 1.2.1 Manufacturer / Supplier

Balcony Systems Solutions Ltd.,  
Unit 6 Systems House, Eastbourne Road, Blindley Heath  
RH7 6JP Lingfield, Surrey

[Enquiries@balconette.co.uk](mailto:Enquiries@balconette.co.uk) Tel: 01342-410411 Fax: 01342-410412

**1.3 Further information obtainable from:** Department laboratory

**Emergency telephone number::** local hospital

## 2 Composition / Information on Ingredients

### 2.1 Chemical Characterisation:

Aqueous alcoholic solution

### 2.2 Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
67-63-0	603-117-00-0	200-661-7	Propan-2-ol	> 20 %	F,Xi	R 11-36-67

#### Remarks:

Classification and labelling of a product is indicated under item 15.

Exposure Controls / Personal Protection under item 8

R -phrase(s) under item 16

## 3 Hazards Identification

**3.1 For Humans** (additional information is given under item 11) :

### 3.1.1 Classification :

R 11 : Highly flammable

R 36: Irritation to eyes

R 67: Vapours may cause drowsiness and dizziness

Xi F



### 3.1.2 Additional advice :

May form highly flammable vapour-air mixture. Degreases skin.

Excessive inhalation of vapours can causes respiratory irritation.

### 3.2 For the Environment :

Slightly water endangering.

### 3.3 For Materials:

none

## 4 First Aid Measures

### 4.1 General advice

Show this safety data sheet to the doctor in attendance.

### 4.2 Inhalation:

Remove person to fresh air.

In the event of symptoms occurring, seek medical treatment.

### 4.3 Skin Contact :

Wash away with water.

If irritation persists consult physician.

**Tradename :** BalcoNano CLEANER  
**Company / Distributor :** Balcony Systems Solutions Ltd.,  
**phone :** 01342-410411 **Date of issue:** 02.05.2011 **Replaces Data Sheet of :**

#### 4.4 **Eye Contact :**

In case of contact with eyes rinse thoroughly with water.  
If irritation persists consult physician.

#### 4.5 **Ingestion :**

Rinse mouth out and drink plenty of water.  
In case of swallowing larger quantities consult physician immediately.

#### 4.6 **Note to Physician:**

Symptomatic treatment. Danger of aspiration when vomiting or irrigating stomach.

#### 4.7 **Special Equipment:**

n.av.

### 5 **Fire Fighting Measures**

5.1 **Suitable Extinguishing Media :** Water, foam, dry chemicals, CO2

5.2 **Extinguishing Media to Avoid :** none

5.3 **Fire and Explosion Hazards :**

In case of fire, product may form: Organic crackproducts and carbon oxides.

5.4 **Additional Information :** Cool containers at risk with water spray jet

5.5 **Special Protective Equipment :**

Wear positive pressure self-contained breathing apparatus.

Wear full protective clothing.

### 6 **Accidental Release Measures**

6.1 **Personal Precautions :**

See No. 8.3 Personal Protective Equipment.

Do not inhale vapours. Avoid contact with eyes and skin. Keep away from sources of ignition. Do not smoke.

6.2 **Environmental Precautions and Methods for Cleaning up :**

Do not allow larger quantities to enter drainage / surface-water / ground-water.

Inform responsible authorities after accidental conduction of larger quantities.

Send in suitable containers for recovery or disposal. Take up residues with suitable absorbent materials.

6.3 **Further Information :**

Use personal protective clothing.

### 7 **Handling and Storage**

7.1 **Handling**

7.1.1 **Precautions for Safe Handling :**

Provide sufficient ventilation. Keep container tightly closed. Close container straight after use or if empty.

Provide good room ventilation even at ground level (vapours are heavier than air).

7.1.2 **Precautions in Case of Fire and Explosion :**

Keep away from sources of ignition, do not smoke.

7.2 **Storage**

7.2.1 **Storage Instructions :**

Floor must be resistant against solvents.

7.2.2 **Store away from :**

Store away from explosive substances and oxidizing agents.

7.2.3 **Further Information on Storage Conditions :**

Provide sufficient ventilation. Protect from sun.

7.2.4 **Storage Class :** 3B (VCI - Concept)

**Tradename :** BalcoNano CLEANER  
**Company / Distributor :** Balcony Systems Solutions Ltd.,  
**phone :** 01342-410411 **Date of issue:** 02.05.2011 **Replaces Data Sheet of :**

## 8 Exposure Controls and Personal Protection

- 8.1 **Information on System Design :**  
Provide sufficient air exchange and/or exhaust in work rooms. Provide personal protective equipment.
- 8.2 **Exposure Limits:**
- 8.2.1 **CAS / Material** **Limit Value according to TRGS 900/ EC Guidline 2000/39:**  
67-63-0 / Propan-2-ol 200ppm, 500 mg / m<sup>3</sup> , Y
- 8.3 **Personal Protective Equipment**
- 8.3.1 **General Protection and Hygiene :**  
Avoid contact with eyes and skin. Do not eat, drink or smoke during work. Take off contaminated, saturated clothing immediately. Do not inhale vapours. Preventive skin protection by skin protection ointment.
- 8.3.2 **Respiratory Protection :**  
If ventilation is insufficient, wear respiratory protection. Filter (A)
- 8.3.3 **Hand Protection :**  
In case of prolonged skin contact use protective gloves. (Vitone or PVC)  
Break through time: Refer to manufacturer/supplier for information
- 8.3.4 **Eye Protection :** Goggles
- 8.3.5 **Skin Protection :** No.
- 8.3.6 **Further Information :** none

## 9 Physical and Chemical Properties

- 9.1 **Appearance**
- 9.1.1 **Form :** non-woven impregnated 9.1.2 **Colour :** colourless 9.1.3 **Odour :** alcohol-like
- 9.2 **Safety Relevant Data (relevant for the liquid)**
- 9.2.1 pH-value, undiluted : ~ 12,5 (DIN 19268)
- 9.2.2 Boiling point / Boiling - range (°C) : 82 °C
- 9.2.3 Flash point (°C, c.c.) : 19 °C (Abel-Pensky)
- 9.2.4 Flammability (EEC A10/A13) : n.av.
- 9.2.5 Ignition temperature (°C) : 425 °C
- 9.2.6 Autoflammability (EEC A16) : No.
- 9.2.7 Oxidising properties : No.
- 9.2.8 Explosion hazard : not explosive
- 9.2.9 Explosion limits (Vol.%) : lower 2 Vol% / upper 12 Vol%
- 9.2.10 Vapour pressure : 41,6 hPa
- 9.2.11 Density (g/ml) : ~ 0,9 g/cm<sup>3</sup> (DIN 51757) at 20 °C
- 9.2.12 Solubility (in Water) : fully miscible
- 9.2.13 Partition coefficient, n-Octanol/Water : n.av.
- 9.2.14 Viscosity : n.av.
- 9.2.15 Solvent separation test : n.av.
- 9.2.16 Solvent content (m %) : ~ 50 %
- 9.2.17 Fat solubility : yes
- 9.3 **Further Data**
- 9.3.1 Thermal decomposition (°C) : n.av.
- 9.3.2 Vapour density (Air = 1) : n.av.
- 9.3.3 Evaporation rate : n.av.

## 10 Stability and Reactivity

- 10.1 **Conditions to Avoid :**  
Sparks, flames, static charge.
- 10.2 **Materials to Avoid :**  
Reactions with oxidizer.
- 10.3 **Hazardous Decomposition Products :**  
No dangerous decomposition products when properly handled.
- 10.4 **Further Information :**  
None.

**Tradename :** BalcoNano CLEANER  
**Company / Distributor :** Balcony Systems Solutions Ltd.,  
**phone :** 01342-410411 **Date of issue:** 02.05.2011 **Replaces Data Sheet of :**

## 11 Toxicological Information

### 11.1 Toxicological Tests :

#### 11.1.1 Acute Health Effects of the preparation:

Inhalation, LC<sub>50</sub> rat, (mg/l/4h) : n.av.  
 Ingestion, LD<sub>50</sub> rat, (mg/kg) : n.av.  
 Skin - contact, LD<sub>50</sub> rat, (mg/kg) : n.av.  
 Irritation (to skin / eye) : Irritation to eyes  
 Sensitisation : Not sensitizing.

#### 11.1.2 Subacute / Chronic Toxicity :

Carcinogenicity : No.  
 Mutagenicity : No.  
 Teratogenicity : No..  
 Narcotic Effects : Inhalation of solvent-vapours in high concentration causes narcotic effects.

### 11.2 Practical Experience

#### 11.2.1 Observations relevant for classification :

None.

#### 11.2.2 Further Observations :

None.

### 11.3 General Remarks :

Classification of the preparation has been done by calculation in accordance with directives 1999/45/EC + 2006/8/EC

## 12 Environmental Information

### 12.1 Elimination (Persistence and Degradability) :

The product is biodegradable.

### 12.2 Behaviour in Sewage Works :

Mobility and Accumulation Potential : n.av.  
 According to present knowledge no negative ecological reactions are to be expected.

### 12.3 Ecotoxic Effects, Aquatic Toxicity :

Slightly water endangering

### 12.4 Other Ecological Information

12.4.1 COD-Value, mg/g : n.av.  
 12.4.2 BOD<sub>5</sub>-Value, mg/g : n.av.  
 12.4.3 AOX-Remarks : n.ap.  
 12.4.4 Significant Components: not relevant

## 13 Disposal Considerations

### 13.1 Residues

#### 13.1.1 Recommendation : D 10

Waste - Code - No. : 07 01 04 – other organic solvents, washing liquids and other liquors

#### 13.1.2 Safe Handling: See item 7 and 15.

### 13.2 Contaminated Packaging

#### 13.2.1 Recommendation : Wash with suitable cleaner. Otherwise as described under Residues.

#### 13.2.2 Safe Handling : As described under Residues.

## 14 Transport Information

### 14.1 Transportation by Road or Railway according to ADR/GGVS and RID/GGVE

#### Remarks :

Class : 4.1 Classification : F 1 Packing Group : II

Instructions for Transportation in Tanks : Hazard-No. : 40 UN-No. : 3175

#### 14.1.2 Additional Designation in the Shipper's Declaration : None

#### 14.1.3 Inscription on Packaging : UN 3175

### 14.3 Classification for Transportation by Vessels according to IMDG/GGVSee

#### Remarks :

Class : 4.1 UN-No. : 3175 Packing Group : II

#### 14.3.1 EmS-No / Leak. : F-E; S-D

MFAG-Table : Main dated from 01.02.2001

#### 14.3.2 Marine Pollutant : No.

#### 14.3.3 Instruction for Declaration and Labelling :

(Packing sizes with possible exemptions not considered)

**Proper Shipping Name :** SOLIDS, CONTAINING FLAMMABLE LIQUID, n.o.s. ( contains ISOPROPANOL)

**Tradename :** BalcoNano CLEANER  
**Company / Distributor :** Balcony Systems Solutions Ltd.,  
**phone :** 01342-410411 **Date of issue:** 02.05.2011 **Replaces Data Sheet of :**

- Risk Label :** 4.1  
 14.3.4 **Remarks :** None.  
 14.4 **Classification for Transportation by Aeroplane according to IATA-DGR/ICAO-TI**  
**Remarks :**  
 Class : 4.1 UN-No. : 3175 Packing Group : II  
 14.4.1 **Instruction for Declaration and Labelling :**  
 (Packing sizes with possible exemptions not considered)  
**Proper Shipping Name :** SOLIDS, CONTAINING FLAMMABLE LIQUID, n.o.s. ( contains ISOPROPANOL)  
**Risk Label :** 4.1  
 Packing Instructions, Passenger : 415 Cargo : 417  
 14.4.2 **Remarks :**

## 15 Regulatory Information

- 15.1 **Classification according to EC-Regulations :**  
 Classification required by EC: Yes  
 Applicable Exemptions : Yes.  
 Hazard Identification : Irritant and Highly flammable.  
 Component(s) :  
**R-Phrases :**  
 R 11: Highly flammable  
 R 36: Irritation to eyes  
 R 67: Vapours may cause drowsiness and dizziness  
  
**S-Phrases :**  
 S 7: Keep container tightly closed.  
 S 16: Keep away from sources of ignition - No smoking.  
 S 24/25: Avoid contact with skin and eyes  
 S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
  
 Additional markings for distribution to private consumer:  
 S 2: Keep out of reach of children  
 S 46: If swallowed, seek medical advice immediately and show container or label  
  
 Tactile warning of danger according to DIN EN 272 are obligatory for all preparations sold to the general public  
  
 15.1.1 The above mentioned classification is valid for distribution to: Professional use and private consumer.  
 Labelling (formats, exemptions, additional markings) has to be done according to respective regulations.

## 16 Other Information

**R-phrase(s) :**  
 R 36: Irritation to eyes  
 R 67: Vapours may cause drowsiness and dizziness

### Further information to work out the Data sheet:

Data of the producer.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.