

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.09.2011

Version number 4

Revision: 26.09.2011

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

- **Product identifier**
- **Trade name:** Cleaner I
- **Article number:** 024059
- **CAS Number:**  
67-63-0
- **EC number:**  
200-661-7
- **Index number:**  
603-117-00-0
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / preparation** Cleaning agent/ Cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
BOSTIK BV  
De Voerman 8  
5215 MH 's-Hertogenbosch  
The Netherlands  
Tel.: +31 (0)73 6 244 244  
email: [info@bostik.com](mailto:info@bostik.com)  
internet: [www.bostik.nl](http://www.bostik.nl)  
  
BOSTIK BELUX SA-NV  
Meulestedekaai 86  
B-9000 Gent  
Belgium  
Tel: +32 (0) 9 255 17 21  
email: [info@bostik.be](mailto:info@bostik.be)  
internet: [www.bostik.be](http://www.bostik.be)
- **Informing department:** Product Safety Department
- **Emergency telephone number:** +31 (0)73 6 244 244

### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

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



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36: Irritating to eyes.



F; Highly flammable

(Contd. on page 2)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.09.2011

Version number 4

Revision: 26.09.2011

**Trade name: Cleaner I**

(Contd. of page 1)

R11: Highly flammable.

R67: Vapours may cause drowsiness and dizziness.

· **Information concerning particular hazards for human and environment:** Has a narcotizing effect.

· **Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

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

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard statements**

Highly flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

· **Chemical characterization: Substances**

· **CAS No. Designation:**

67-63-0 propan-2-ol

· **Identification number(s):**

· **EC number:** 200-661-7

· **Index number:** 603-117-00-0

### 4 First aid measures

· **Description of first aid measures**

· **After skin contact** The product is not skin irritating.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

· **After swallowing** In case of persistent symptoms consult doctor.

· **Information for doctor**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 3)

**Trade name: Cleaner I**

- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

(Contd. of page 2)

## 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards arising from the substance or mixture** Hydrogen chloride (HCl)
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **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 information on disposal.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed containers.
- **Recommended storage temperature:** 5-30°C
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 4)

Trade name: Cleaner I

(Contd. of page 3)

## Control parameters

### Components with limit values that require monitoring at the workplace:

#### 67-63-0 isopropanol

OEL	Long-term value: 200 mg/m <sup>3</sup> , 50 ppm
WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 999 mg/m <sup>3</sup> , 400 ppm

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

### Exposure controls

#### Personal protective equipment

#### General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

**Breathing equipment:** Not necessary if room is well-ventilated.

#### Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### Material of gloves

Butyl rubber, BR

PVC gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### 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.

**Eye protection:** Tightly sealed safety glasses.

**Body protection:** Protective work clothing.

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

#### Appearance:

Form:	liquid
Colour:	Clear
Odour:	Alcohol-like
Odour threshold:	Not determined.

**pH-value:** Not applicable.

#### Change in condition

Melting point/Melting range:	-88.5°C
Boiling point/Boiling range:	82°C

**Flash point:** 12°C

(Contd. on page 5)

Trade name: Cleaner I

(Contd. of page 4)

· <b>Inflammability (solid, gaseous)</b>	Highly flammable.
· <b>Ignition temperature:</b>	425°C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-inflammability:</b>	Not determined.
· <b>Danger of explosion:</b>	Not determined.
· <b>Critical values for explosion:</b>	
Lower:	2 Vol %
Upper:	12 Vol %
· <b>Vapour pressure at 20°C:</b>	43 hPa
· <b>Density at 20°C</b>	0.785 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with Water:</b>	Unsoluble
· <b>Segregation coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
dynamic:	Not applicable.
kinematic:	Not applicable.
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
Carbon monoxide  
No dangerous decomposition products known

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

67-63-0 isopropanol

Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rbt)
Inhalative	LC50/4 h	16000 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.

(Contd. on page 6)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 26.09.2011

Version number 4

Revision: 26.09.2011

**Trade name:** Cleaner I

(Contd. of page 5)

- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.


### 12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |   |                                      |
|---|--------------------------------------|
| · <b>UN-Number</b>  | UN1219                               |
| · <b>ADR, IMDG, IATA</b>  |                                      |
| · <b>UN proper shipping name</b>  | 1219 ISOPROPANOL (ISOPROPYL ALCOHOL) |
| · <b>ADR</b>  | ISOPROPANOL (ISOPROPYL ALCOHOL)      |
| · <b>IMDG, IATA</b>   |                                      |
| · <b>Transport hazard class(es)</b>   |                                      |
| · <b>ADR</b>  |                                      |
|  |                                      |
| · <b>Class</b>  | 3 Flammable liquids.                 |

(Contd. on page 7)

## Safety data sheet according to 1907/2006/EC, Article 31


Printing date 26.09.2011

Version number 4

Revision: 26.09.2011

Trade name: Cleaner I

(Contd. of page 6)

· <b>Label</b>	3
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	3 Flammable liquids.
· <b>Label</b>	3
· <b>Packing group</b>	
· <b>ADR, IMDG, IATA</b>	II
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Warning: Flammable liquids.
· <b>Kemler Number:</b>	33
· <b>EMS Number:</b>	F-E,S-D
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Tunnel restriction code</b>	D/E
· <b>UN "Model Regulation":</b>	UN1219, ISOPROPANOL (ISOPROPYL ALCOHOL), 3, II

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
NK	50-100
- **Water hazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organization  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances

(Contd. on page 8)



The Adhesive Company

Page 8/8

***Safety data sheet***  
***according to 1907/2006/EC, Article 31***

Printing date 26.09.2011

Version number 4

Revision: 26.09.2011

***Trade name: Cleaner I***

CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

(Contd. of page 7)

GB