

CLEANER I
Supersedes Date: 08-Dec-2015

Revision Date 23-Nov-2016
Version 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name	CLEANER I
Pure substance/mixture	Substance
EC No	200-661-7
CAS No	67-63-0
REACH Registration Number	01-2119457558-25-XXXX
Molecular Weight	60.10

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

Recommended use	Cleaning agent.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik SA
Immeuble "Le Jade"
253 Avenue du President Wilson
93211 La Plaine Saint Denis
France
Tel: +33 (0)1 55 99 90 00
Fax: +33 (0)1 55 99 90 01

E-mail address	SDS.box-EU@bostik.com
-----------------------	-----------------------

1.4. Emergency telephone number

Emergency Telephone	No information available
----------------------------	--------------------------

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
	Category 3 Respiratory irritation.
Flammable Liquids	Category 2 - (H225)

Unknown acute toxicity	0 % of the mixture consists of ingredient(s) of unknown toxicity
Unknown aquatic toxicity	Contains 0 % of components with unknown hazards to the aquatic environment

2.2. Label Elements

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

Contains : Isopropyl alcohol

Safety Data Sheet

CLEANER I
Supersedes Date: 08-Dec-2015

Revision Date 23-Nov-2016
Version 2



Signal Word
DANGER

Hazard statements

H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapour

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P280 - Wear protective gloves and eye/face protection
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P235 - Keep cool
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other Hazards

General Hazards

In use may form flammable/explosive vapour-air mixture.

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Isopropyl alcohol	200-661-7	67-63-0	80 - 100	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)		01-2119457558-25-XXX X

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

3.2. Mixtures

Not applicable

Section 4: FIRST AID MEASURES

Safety Data Sheet

CLEANER I
Supersedes Date: 08-Dec-2015

Revision Date 23-Nov-2016
Version 2

4.1. Description of first aid measures

General Advice	If medical advice is needed, have product container or label at hand.
Inhalation	Remove to fresh air.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor immediately.
Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Self-protection of the first aider	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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

Symptoms None known.

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

Note to doctors Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media
Use CO₂, dry chemical, or foam.

Unsuitable Extinguishing Media
Use water spray or fog; do not use straight streams

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions
Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

Water spray may reduce vapour; but may not prevent ignition in closed spaces.

For emergency responders
Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Environmental precautions

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

6.3. Methods and material for containment and cleaning up

Safety Data Sheet

CLEANER I
Supersedes Date: 08-Dec-2015

Revision Date 23-Nov-2016
Version 2

Methods for Containment Dyke far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up Use clean non-sparking tools to collect absorbed material.

6.4. Reference to other sections

Reference to other sections See Section 12: ECOLOGICAL INFORMATION
Section 7: HANDLING AND STORAGE
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ventilating/lighting /equipment.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep only in the original container/package in a cool well-ventilated place.

7.3. Specific end use(s)

Other Information

Recommendation(s). Observe technical data sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Tight sealing safety goggles. Face protection shield.

Skin and Body Protection Antistatic footwear. Wear fire/flammable resistant/retardant clothing. Gloves made of plastic or rubber. Suitable protective clothing. Apron.

Respiratory Protection People who suffer from skin sensitisation problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

Environmental Exposure Controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Safety Data Sheet

CLEANER I
Supercedes Date: 08-Dec-2015

Revision Date 23-Nov-2016
Version 2

9.1. Information on basic physical and chemical properties

Physical State	Liquid	
Appearance	Liquid	
Colour	Colourless	
Odour	Alcohol	
Odour Threshold	No information available	
Property	Values	Remarks • Method
pH	No information available	Not applicable
Melting point/freezing point	-90 °C / °F	
Boiling Point	82 °C / 179.6 °F	
Flash Point	12 °C / 53.6 °F	
Evaporation Rate	1.7	
Flammability (solid, gas)	No information available	Not applicable
Flammability Limit in Air		
Upper Flammability Limit	12	
Lower Flammability Limit	2	
Vapour Pressure	6	kPa @ 20 °C
Vapour Density	2	@ 20 °C
Specific Gravity	No information available	
Water Solubility	Miscible in water	
Solubility in Other Solvents	No information available	
Partition Coefficient	0.05	OECD 107
Autoignition Temperature	425 °C / 797 °F	
Decomposition Temperature	No information available	
Explosive Properties	No information available	
Explosive Limits	No information available	
Upper	No information available	
Lower	No information available	
Oxidising Properties	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	2.5 - 4.5 mPa s	@ 20 °C

9.2. Other information

Softening Point	No information available
Molecular Weight	60.10
Solvent content (%)	No information available
Solid content (%)	No information available
Density	0.78 g/cm ³
Bulk Density	No Data Available
VOC content (%)	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage conditions.

10.2. Chemical stability

Stable under recommended storage conditions.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

Safety Data Sheet

CLEANER I
Supersedes Date: 08-Dec-2015

Revision Date 23-Nov-2016
Version 2

10.4. Conditions to avoid

Keep away from heat, sparks and flames.

10.5. Incompatible materials

Strong acids and bases.

10.6. Hazardous decomposition products

Carbon oxides.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Product Information

No information or data specific to the product on this toxicological (health) effect is available.

Inhalation	No Data Available.
Eye contact	No Data Available.
Skin Contact	No Data Available.
Ingestion	No Data Available.
Sensitisation	No Data Available.

Skin Corrosion/Irritation Not applicable.

Serious eye damage/eye irritation Not applicable.

Sensitisation Not applicable.

Germ Cell Mutagenicity Not applicable.

Carcinogenicity Not applicable.

Reproductive Toxicity No information available.

STOT - Single Exposure No information available.

STOT - Repeated Exposure No information available.

Aspiration Hazard No information available.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	2,500.00 mg/kg
ATEmix (dermal)	4,059.00 mg/kg
ATEmix (inhalation-dust/mist)	5,000.00 mg/l

Unknown acute toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity.

Component Information

Toxicity Data No information available

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol	>5000 mg/Kg	= 4059 mg/kg (Rabbit)	= 72600 mg/m ³ (Rat) 4 h

Safety Data Sheet

CLEANER I
Supersedes Date: 08-Dec-2015

Revision Date 23-Nov-2016
Version 2

67-63-0			
---------	--	--	--

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity No information available

Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Isopropyl alcohol 67-63-0	EC50 72 h > 1000 mg/L (Desmodesmus subspicatus) EC50 96 h > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h = 9640 mg/L (Pimephales promelas flow-through) LC50 96 h > 1400000 µg/L (Lepomis macrochirus) LC50 96 h = 11130 mg/L (Pimephales promelas static)	EC50 48 h = 13299 mg/L (Daphnia magna)	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Partition coefficient 0.05

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other Adverse Effects

No information available

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Improper disposal or reuse of this container may be dangerous and illegal.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
Other Information	Waste codes should be assigned by the user based on the application for which the product was used.

Safety Data Sheet

CLEANER I
Supersedes Date: 08-Dec-2015

Revision Date 23-Nov-2016
Version 2

Section 14: TRANSPORTATION INFORMATION

ADR

14.1 UN/ID no	UN1219
14.2 Proper Shipping Name	Isopropanol
14.3 Hazard Class	3
Hazard Labels	3
14.4 Packing Group	II
Description	UN1219, Isopropanol, 3, II
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	601
Classification Code	F1
Tunnel restriction code	(D/E)
Limited Quantity (LQ)	1 L
ADR Hazard Id (Kemmler Number)	33

IMDG

14.1 UN/ID no	UN1219
14.2 Proper Shipping Name	Isopropanol
14.3 Hazard Class	3
14.4 Packing Group	II
Description	UN1219, Isopropanol, 3, II, (12°C c.c.)
14.5 Marine Pollutant	Np
14.6 Special Provisions	None
Limited Quantity (LQ)	1 L
EmS-No	F-E, S-D
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN/ID no	UN1219
14.2 Proper Shipping Name	Isopropanol
14.3 Hazard Class	3
14.4 Packing Group	II
Description	UN1219, Isopropanol, 3, II
14.5 Environmental Hazard	Not applicable
Classification Code	F1
14.6 Special Provisions	None
Limited Quantity (LQ)	1 L

ICAO (air)

14.1 UN/ID no	UN1219
14.2 Proper Shipping Name	Isopropanol
14.3 Hazard Class	3
14.4 Packing Group	II
Description	UN1219, Isopropanol, 3, II
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	A180

IATA

14.1 UN/ID no	UN1219
14.2 Proper Shipping Name	Isopropanol
14.3 Hazard Class	3
14.4 Packing Group	II
Description	UN1219, Isopropanol, 3, II
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	A180
Limited Quantity (LQ)	1 L
ERG Code	3L

Section 15: REGULATORY INFORMATION

Safety Data Sheet

CLEANER I
Supersedes Date: 08-Dec-2015

Revision Date 23-Nov-2016
Version 2

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National Regulations

France

Occupational Illnesses (R-463-3, France)

Chemical Name	French RG number
Isopropyl alcohol 67-63-0	RG 84

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV

Flammable liquid (R11), EEC: refer to Annex III No. 1 (fire and explosion hazards) and § 7 paragraph 4

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Not Listed

Safety Data Sheet

CLEANER I
Supersedes Date: 08-Dec-2015

Revision Date 23-Nov-2016
Version 2

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H225 - Highly flammable liquid and vapour

Legend

SVHC: Substances of Very High Concern for Authorisation:

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

*

Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

STOT (RE): Specific target organ toxicity - Repeated exposure

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

EWC: European Waste Catalogue

Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

Revision Date 23-Nov-2016

Indication of changes

Revision Note SDS sections updated: 2, 3, 11, 14.

Training Advice Provide adequate information, instruction, and training for operator

Additional information No information available

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

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet