

## Safety Data Sheet

### according to UK REACH (SI 2020/1577) as amended

Printing date 21.07.2025

Version number 2 (replaces version 1)

Revision: 21.07.2025

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

- **1.1 Product identifier**
- **Trade name: 70% IPA spray solution**
- **Product Code: 40-1710-10**
- **Registration number** Mixture
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC21 Laboratory chemicals
- **Application of the substance / the mixture** Laboratory chemicals
- **Uses advised against**  
Processes involving extreme heat use advised against.  
Any use involving aerosol formation or vapour release in excess of the assigned Workplace Exposure Limit where workers are exposed without suitable Respiratory Protective Equipment.  
Any use carrying a risk of direct contact with eyes/skin where workers are exposed without adequate personal protective equipment (PPE).  
Processes involving the use of incompatible substances - refer to section 10.
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**  
Severn Biotech Ltd.  
Unit 2,  
Park Lane,  
Kidderminster,  
Worcestershire.  
DY11 6TJ  
UK  
Tel: 0044 1562 825286  
Fax: 0044 1562 825284  
email: info@severnbiotech.com
- **Further information obtainable from:** Product safety department.
- **1.4 Emergency telephone number:**  
Members of the public seeking specific information on poisons should contact:  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111

#### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to GB-CLP**  
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.
- **2.2 Label elements**
- **Labelling according to GB-CLP** The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS02   GHS07

- **Signal word** Danger

(Contd. on page 2)

— GB —

## Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Printing date 21.07.2025

Version number 2 (replaces version 1)

Revision: 21.07.2025

**Trade name: 70% IPA spray solution**

(Contd. of page 1)

- **Hazard-determining components of labelling:**

Isopropyl alcohol

- **Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

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.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulations.

- **Additional information:**

Contains biocidal active substance(s): Isopropyl alcohol

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

### \* SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Aqueous solution of the substance(s) listed below.

- **Dangerous components:**

CAS: 67-63-0	Isopropyl alcohol	50 – 100%
EINECS: 200-661-7	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	
Index number: 603-117-00-0		
Reg.nr.: 01-2119457558-25-XXXX		

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### \* SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

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

- **After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

- **After eye contact:**

Check for and remove any contact lenses.

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

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

- **Information for doctor:** Treat symptomatically and supportively.

(Contd. on page 3)

## Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Printing date 21.07.2025

Version number 2 (replaces version 1)

Revision: 21.07.2025

**Trade name: 70% IPA spray solution**

(Contd. of page 2)

- **4.2 Most important symptoms and effects, both acute and delayed**
  - Dizziness
  - Drowsiness
  - Disorientation
- **4.3 Indication of any immediate medical attention and special treatment needed**
  - No further relevant 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.
  - Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:**
  - Water with full jet
  - Alcohol-resistant foam
- **5.2 Special hazards arising from the substance or mixture**
  - Flammable. Vapors may travel to source of ignition and flash back.
  - Vapours are heavier than air and may travel a long distance and accumulate in low lying areas. Ignition and/or flash back may occur.
  - In case of fire, the following can be released:
    - Carbon monoxide and carbon dioxide
  - In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
- **5.3 Advice for firefighters**
- **Protective equipment:**
  - Wear fully protective suit.
  - Wear self-contained respiratory protective device.
  - Do not inhale explosion gases or combustion gases.
- **Additional information**
  - Absorb gas/vapours with water spray.
  - Cool endangered receptacles with water spray.
  - Collect contaminated fire fighting water separately. It must not enter the sewage system.

### \* SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Ensure adequate ventilation
  - Keep ignition sources away - no smoking.
  - Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
  - Do not allow to penetrate the ground/soil.
  - Do not allow product to reach sewage system or any water course.
  - Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:**
  - Contain and collect spillage with non-combustible, absorbent material e.g.sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
  - Allow to evaporate.
  - Ensure adequate ventilation.
- **6.4 Reference to other sections**
  - See Section 7 for information on safe handling.

(Contd. on page 4)

GB

## Safety Data Sheet

### according to UK REACH (SI 2020/1577) as amended

Printing date 21.07.2025

Version number 2 (replaces version 1)

Revision: 21.07.2025

**Trade name: 70% IPA spray solution**

(Contd. of page 3)

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

Safety showers and eye wash facilities should be available at the work area.

Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Vapour is heavier than air. Beware of accumulation in pits and confined spaces.

### · 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:

Prevent any seepage into the ground.

Store in a cool location.

#### · Information about storage in one common storage facility: Store away from oxidising agents.

#### · Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store in a bundled area.

#### · Storage class: 3

#### · 7.3 Specific end use(s) No further relevant information available.

## \* SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · Ingredients with limit values that require monitoring at the workplace:

##### CAS: 67-63-0 Isopropyl alcohol

WEL Short-term value: 1250 mg/m<sup>3</sup>, 500 ppm

Long-term value: 999 mg/m<sup>3</sup>, 400 ppm

#### · DNELs

##### CAS: 67-63-0 Isopropyl alcohol

Oral	Long-term systemic effects	26 mg/kg bw/day (general population)
	Short-term systemic effects	51 mg/kg bw/day (general population)
Dermal	Long-term systemic effects	319 mg/kg bw/day (general population)
		888 mg/kg bw/day (worker)
Inhalative	Long-term systemic effects	89 mg/m <sup>3</sup> (general population)
		500 mg/m <sup>3</sup> (worker)
	Short-term systemic effects	178 mg/m <sup>3</sup> (general population)
		1,000 mg/m <sup>3</sup> (worker)

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

(Contd. on page 5)

## Safety Data Sheet

**according to UK REACH (SI 2020/1577) as amended**

Printing date 21.07.2025

Version number 2 (replaces version 1)

Revision: 21.07.2025

**Trade name: 70% IPA spray solution**

(Contd. of page 4)

### · 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Ensure that washing facilities are available at the work place.

Take note of assigned Workplace Exposure Limits.

A safe system of work must be formulated and followed to ensure safe working with this product. Relevant workers must receive suitable and sufficient training and supervision.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Ensure that eyewash stations and safety showers are close to the workstation location.

· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A for organic vapours

· **Hand protection**



Protective gloves.

Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU).

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

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

· **Material of gloves**

Nitrile rubber, NBR

Chloroprene rubber, CR

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

Break-through time: > 480 minutes

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

· **Not suitable are gloves made of the following materials:**

Natural rubber, NR

PVC gloves

· **Eye/face protection**



Tightly sealed goggles conforming to EN166.

· **Body protection:**



Flame retardant antistatic protective clothing.

Body protection must be chosen depending on product properties, activity and possible exposure.

· **Environmental exposure controls** Do not let product enter drains. Risk of explosion.

(Contd. on page 6)

## Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Printing date 21.07.2025

Version number 2 (replaces version 1)

Revision: 21.07.2025

**Trade name: 70% IPA spray solution**

(Contd. of page 5)

· **Risk management measures** The operators shall be instructed adequately.

### \* SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

· Physical state	Liquid
· Colour:	Clear
· Odour:	Alcohol-like
· Odour threshold:	Not determined.
· Melting point/freezing point:	-88 °C
· Boiling point or initial boiling point and boiling range	82 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	2 Vol %
· Upper:	12 Vol %
· Flash point:	18 °C
· Auto-ignition temperature:	425 °C
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	43 hPa
· Density and/or relative density	
· Density at 20 °C:	0.8 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.

#### · 9.2 Other information

##### · Appearance:

· **Form:** Fluid

##### · Important information on protection of health and environment, and on safety.

##### · Ignition temperature:

Product is not self-igniting.

##### · Explosive properties:

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

##### · Change in condition

##### · Evaporation rate

Not determined.

#### · Information with regard to physical hazard classes

· Explosives	Not applicable
· Flammable gases	Not applicable
· Aerosols	Not applicable
· Oxidising gases	Not applicable
· Gases under pressure	Not applicable
· Flammable liquids	Highly flammable liquid and vapour.
· Flammable solids	Not applicable

(Contd. on page 7)

## Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Printing date 21.07.2025

Version number 2 (replaces version 1)

Revision: 21.07.2025

**Trade name: 70% IPA spray solution**

(Contd. of page 6)

· Self-reactive substances and mixtures	Not applicable
· Pyrophoric liquids	Not applicable
· Pyrophoric solids	Not applicable
· Self-heating substances and mixtures	Not applicable
· Substances and mixtures, which emit flammable gases in contact with water	Not applicable
· Oxidising liquids	Not applicable
· Oxidising solids	Not applicable
· Organic peroxides	Not applicable
· Corrosive to metals	Not applicable
· Desensitised explosives	Not applicable

### \* SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
At elevated temperatures, explosive vapour/air mixtures may be formed.
- **10.3 Possibility of hazardous reactions** Reacts violently with oxidising agents.
- **10.4 Conditions to avoid** Heat and static discharge.
- **10.5 Incompatible materials:** Strong oxidising agents.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### \* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**
**CAS: 67-63-0 Isopropyl alcohol**

Oral LD50 &gt; 2,000 mg/kg (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.
- **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.
- **Subacute to chronic toxicity:** Prolonged or repeated skin contact may irritate and cause dermatitis.
- **Additional toxicological information:**  
**ROUTES OF EXPOSURE:** Can be absorbed into the body by inhalation and by ingestion.  
Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.

(Contd. on page 8)

## Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Printing date 21.07.2025

Version number 2 (replaces version 1)

Revision: 21.07.2025

**Trade name: 70% IPA spray solution**

(Contd. of page 7)

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients are listed.

### SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**CAS: 67-63-0 Isopropyl alcohol**

EC50 (96 h) > 10,000 mg/l (Bacteria)

· **12.2 Persistence and degradability** biodegradable

· **12.3 Bioaccumulative potential** Product is not expected to bioaccumulate.

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

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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

### \* SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Recommended Hierarchy of Controls:

- Minimise waste;
- Reuse if not contaminated;
- Recycle, if possible; or
- Safe disposal (if all else fails).

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact waste processors for recycling information.

Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

Do not mix with other waste streams.

· **Uncleaned packaging:**

· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Disposal must be made according to official regulations.

Container remains hazardous when empty. Continue to observe all precautions.

Containers, even those that are "empty," may contain residues that can develop flammable and/or hazardous vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

GB

(Contd. on page 9)



## Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Printing date 21.07.2025



Version number 2 (replaces version 1)

Revision: 21.07.2025

**Trade name: 70% IPA spray solution**

(Contd. of page 8)

### SECTION 14: Transport information

· 14.1 UN number or ID number	UN1219
· ADR/RID/ADN, IMDG, IATA	
· 14.2 UN proper shipping name	UN1219 ISOPROPANOL (ISOPROPYL ALCOHOL) solution
· ADR/RID/ADN	
· IMDG, IATA	ISOPROPANOL (ISOPROPYL ALCOHOL) solution
· 14.3 Transport hazard class(es)	
· ADR/RID/ADN	
	
· Class	3 (F1) Flammable liquids.
· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR/RID/ADN, IMDG, IATA	II
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	33
· Hazchem Code:	•2YE
· EMS Number:	F-E,S-D
· Stowage Category	B
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR/RID/ADN	
· 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
· Transport category	2
· Tunnel restriction code	D/E

(Contd. on page 10)

GB

## Safety Data Sheet

according to UK REACH (SI 2020/1577) as amended

Printing date 21.07.2025

Version number 2 (replaces version 1)

Revision: 21.07.2025

**Trade name: 70% IPA spray solution**

(Contd. of page 9)

· <b>IMDG</b>	1L
· <b>Limited quantities (LQ)</b>	Code: E2
· <b>Excepted quantities (EQ)</b>	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL) SOLUTION, 3, II

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

- **Regulated explosives precursors**

None of the ingredients are listed.

- **Regulated poisons**

None of the ingredients are listed.

- **Reportable explosives precursors**

None of the ingredients are listed.

- **Reportable poisons**

None of the ingredients are listed.

- **Control Of Major Accident Hazards Regulations 2015 (COMAH)**
- **Named dangerous substances - ANNEX I** None of the ingredients are listed.
- **COMAH category** P5c
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- **Training hints**

This product should only be handled by workers who have received sufficient training in the safe handling and use of chemical products.

- **Department issuing SDS:** Product safety department.

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals

(Contd. on page 11)

**Safety Data Sheet**  
**according to UK REACH (SI 2020/1577) as amended**

Printing date 21.07.2025

Version number 2 (replaces version 1)

Revision: 21.07.2025

---

**Trade name: 70% IPA spray solution**

---

(Contd. of page 10)

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)  
DNEL: Derived No-Effect Level (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
ATE: Acute toxicity estimate values  
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.**

---

GB