	SAFETY DATA SHEET	
SatPax® 5-9% IPA/ 91-95% DI H₂O	29 th October 2022	Page 1 of 11

Complying with Regulation (EC) No 1272/2008 (CLP) as amended by Commission Regulation (EU) 2020/878. (Ireland)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: SatPax® 5-9% IPA/91-95% DI H₂O
Product Code Number:

SPX1000.002.12, SPX1000.011.12, SPX3000.002.12, SPX570.003.24, SPX570BL00324, SPXC10000212, SPXC10000212R, SPXCHN50018, SPXHA69B8, SPXM1200.002.12, SPXMSVP0048, SPXMSVP0068, SPXMSVP00616, SPXV1500.002.12, SPXV1500.004.12

Other means of identification:

CAS Number: Not applicable
EC Number: Not applicable
REACH No: Not applicable

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

Relevant identified uses: Wiping and cleaning various surfaces and components. For professional use only.
Uses advised against: Uses other than those described above.

1.3 Details of the supplier of the safety data sheet

Head Office

Company Name: Berkshire Corporation
Company Address: 21 River Street, Great Barrington, MA 01230, USA
Company Tel (Enquiries): 1-800-242-7000
E-mail address of person responsible for this SDS: ghs@berkshire.com

U.K. Contact

Company Name: Berkshire International Ltd.
Company Address: Unit A Farrier Close, Gateway 11, Wymondham, Norfolk, NR18 0WF, UK
Company Telephone Number: +44-1953-562800
Customer Services: csr@berkshire.uk.com

E.U. Only Representative: Compliance Service International
Block C Ardilaun Court
112-114 St.Stephen's Green
D02 TD28
Dublin, Ireland.
+44 (0)131-445-6053

1.4 Emergency telephone number

Emergency telephone number (including hours of operation):
Chemtrec (EMEA): +44 20 3885 0382, (24/7)

Poison Centre Information:

National Poisons Information Centre: 353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week). Healthcare Professionals: +353 (1)809 2566 (24 hour service)

SECTION 2: HAZARDS IDENTIFICATION

Berkshire	SAFETY DATA SHEET	
SatPax® 5-9% IPA/ 91-95% DI H₂O	29 th October 2022	Page 2 of 11

2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS)

Product name	GHS Classification
SatPax® 5-9% IPA/ 91-95% DI H ₂ O	Flammable liquid, category 3 H226

2.2 Label elements

Labelling in accordance with Regulation 1272/2008 (CLP)

Hazard pictograms:



Signal word: WARNING

Hazard statements: H226 - Flammable liquid and vapour

Precautionary Statements:

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 - Keep container tightly closed.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P370+P378 - In case of fire: Use water spray (fog), carbon dioxide (CO₂), dry chemical powder or foam to extinguish.
- P403+P235 - Store in a well-ventilated place. Keep cool.

Supplemental Hazard

Information: EUH066 - Repeated exposure may cause skin dryness or cracking

2.3 Other hazards

This substance/mixture contains no components considered to be an endocrine-disrupting substance, persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances :

Not applicable

3.2 Mixture :

Product/ Ingredient name	Identifiers	%	Classification 1272/2008/EC	Nano material form	M Factor	Specific conc'n limits (SCL)	Acute toxicity estimate (ATE)
Isopropanol	CAS No 67-63-0 EC No 200-661-7 REACH No 01-2119457558- 25-XXXX	5-<10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	No	1	No SCL in Annex VI	No ATE in Annex VI

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8 .
See section 16 for the full text of the H and P statements declared above

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

Skin contact: Wash with water and soap and rinse thoroughly. Seek medical advice if irritation or pain develops.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Get medical attention. If necessary, call a poison center or physician.

Ingestion: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. If necessary, call a poison centre or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

4.2 Most important symptoms and effects, both acute and delayed

May cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

If any symptoms are observed, contact a physician and give them this SDS sheet. Provide general supportive measures and treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Berkshire	SAFETY DATA SHEET	
SatPax® 5-9% IPA/ 91-95% DI H₂O	29 th October 2022	Page 4 of 11

Flammable liquid and vapour.

Will be easily ignited by heat, sparks or flames. Vapours may form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapour explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Many liquids are lighter than water.

Hazardous combustion products:

Carbon dioxide, carbon monoxide.

5.3 Advice for firefighters

Use water spray or fog for cooling exposed containers. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate all non-emergency personnel from area. Irritating substances may be released during a fire including carbon oxides. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering.

For emergency responders

Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. If spill occurs on water notify appropriate authorities.

6.3 Methods and materials for containment and cleaning up

Small spill: Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

6.4 Reference to other sections

See Section 1 for emergency contact information.

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

Berkshire	SAFETY DATA SHEET	
SatPax® 5-9% IPA/ 91-95% DI H₂O	29th October 2022	Page 5 of 11

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values:

Ingredient name	CAS Number	Occupational exposure limits	Source
Isopropanol	67-63-0	Short-term value: 400 ppm, 1000 mg/m ³ (Ireland) Long-term value: 200 ppm, 500 mg/m ³ (Ireland)	Europe and UK Occupational Exposure Limit Values

Monitoring procedures: Use methods described in European Standards.

Derived No Effect Level (DNEL):

Isopropanol

Workers	Inhalation	Long-term systemic effects	500 mg/m ³
Workers	Dermal	Long-term systemic effects	888 mg/kg bw/day
General population	Inhalation	Long-term systemic effects	89 mg/m ³
General population	Dermal	Long-term systemic effects	319 mg/kg bw/day
General population	Oral	Long-term systemic effects	26 mg/kg bw/day

Predicted No Effect Concentration (PNEC):

Isopropanol

Compartment	Value
Fresh water	140.9 mg/L
Marine water	140.9 mg/L

Sewage treatment plant	2251 mg/L
Fresh water sediment	552 mg/kg sediment dw
Marine sediment	552 mg/kg sediment dw
Soil	28 mg/kg soil dw
Secondary poisoning for predators	160 mg/kg food

8.2 Exposure controls

Appropriate Engineering Measures

Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Concentrations should be monitored hazardous substances in the workplace in accordance with recognized test methods. Mode, method, type and frequency of testing and measurement of harmful factors in the working environment should meet the requirements of local/regional/national laws.

Individual protection measures, such as personal protective equipment:

Eye and face protection: Wear safety glasses, safety glasses with side shields or safety goggles. Use equipment for eye protection tested and approved under appropriate government standards. Use equipment for eye protection tested and approved under EU standards

Skin protection:

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers.

Other skin protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Respiratory protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Where risk assessment shows respirators are appropriate use an organic vapour respirator as a backup to engineering controls. Use respirators and components evaluated and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards: None known.

Environmental exposure controls: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State:	Liquid (Solid wipes containing liquid)
Colour:	White substrate with a colourless liquid
Odour and odour threshold:	Rubbing alcohol
Melting point/Freezing point:	Not available

Boiling point or initial boiling point and boiling range:	Not available
Flammability:	Highly flammable in the presence of the following materials or conditions: Open flames, sparks and static discharge and shocks and mechanical impacts.
Lower and upper explosion limit::	
Lower (%):	2
Upper (%):	12.7
Flash point:	Closed cup: 51°C (123.8°F)
Auto-ignition temperature:	399°C (750.2°F)
Decomposition temperature:	No data available
pH:	7
Dynamic viscosity:	No data available
Solubility:	Insoluble in water
Partition coefficient	
n-octanol/water (log value):	No data available
Vapour pressure:	No data available
Density and/or relative density:	No data available
Relative vapour density:	No data available
Particle characteristics:	Not applicable - liquid

9.2 Other information:

Information with Regard to
Physical Hazard Classes: None known

Other Safety Characteristics: None known

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under recommended storage and handling conditions.

10.2 Chemical stability

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions not anticipated under recommended storage and handling conditions

10.4 Conditions to avoid

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous Decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced. During a fire irritating and toxic substances will be released including carbon monoxide, carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Does not meet the criteria for classification.

Product/ingredient name	Test	Species	Dose
Isopropanol	LD50 Oral LD50 Dermal LC50 Inhalation	Rat Rabbit Rat	5840 mg/kg 16.4 mL/kg > 10,000 ppm 4h

Skin corrosion/irritation: Does not meet the criteria for classification.

Serious eye damage/eye irritation: Does not meet the criteria for classification.

Respiratory or skin sensitization: Does not meet the criteria for classification.

Germ cell mutagenicity: Does not meet the criteria for classification.

Carcinogenicity: Does not meet the criteria for classification.

Reproductive toxicity: Does not meet the criteria for classification.

STOT – Single exposure: Does not meet the criteria for classification.

STOT – Repeat exposure: Does not meet the criteria for classification.

Aspiration hazard: Does not meet the criteria for classification.

11.2 Information on other hazards:

Endocrine disrupting properties: None of the components have endocrine disrupting properties

Information on other hazards: None known

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Substance name	Toxicity to fish / other aquatic invertebrates
Isopropanol	Fish - LC50 Pimephales promelas 9640 mg/L 96 h Invertebrates - EC50 Daphnia magna 13299 mg/L 48 h Algae - EC50 Desmodesmus subspicatus >1000 mg/L 96 h

12.2 Persistence and Degradability:

No data available for this product

12.3 Bioaccumulative potential:

Isopropanol - LogPow -0.05 Low potential

12.4 Mobility in soil:

No data available for this product

12.5 Results of PBT and vPvB assessment:


This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects:

None known.

	SAFETY DATA SHEET	
SatPax® 5-9% IPA/ 91-95% DI H₂O	29 th October 2022	Page 9 of 11

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Product

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Dispose via a licensed waste disposal contractor. Observe all regional, national and international regulations.

Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is emptied. Empty containers should be properly labeled to supplier or everywhere there is a recovery program.

SECTION 14: TRANSPORT INFORMATION

International transport regulations

14.1 UN number:

ADR/RID: UN 3175

IMDG: UN 3175

IATA: UN 3175

14.2 Proper shipping name:

ADR/RID: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.(Isopropanol)

IMDG: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.(Isopropanol)

IATA: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.(Isopropanol)

14.3 Transport hazard class(es)

ADR/RID: 4.1

IMDG: 4.1

IATA: 4.1

14.4 Packing group

ADR/RID: II

IMDG: II

IATA: II

Limited Quantity Information:

ADR (EU): May be shipped as Limited Quantity when transported in inner containers not larger than 1 kg; in packages not exceeding 30 kg gross weight. Refer to ADR Section 3.4 for additional information.

ADR (UK): May be shipped as Limited Quantity when transported in inner containers not larger than 1 kg; in packages not exceeding 30 kg gross weight. Refer to ADR Section 3.4 for additional information.

IMDG: May be shipped as Limited Quantity when transported in inner containers not larger than 1 kg; in packages not exceeding 30 kg gross weight. Refer to IMDG Code Section 3.4 for additional information.

IATA: May be shipped as Limited Quantity when transported in inner containers not larger than 0.5 kg and not more than 5 kg total net quantity per package. Refer to Section 2.7 and appropriate Packing Instruction for additional information. Review all State and Operator Variations prior to shipping the material.

14.5 Environmental hazard

Marine Pollutant: Not expected

14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident.

Berkshire	SAFETY DATA SHEET	
SatPax® 5-9% IPA/ 91-95% DI H₂O	29 th October 2022	Page 10 of 11

14.7 Maritime transport in bulk according to IMO instruments

No additional information

Section 15: REGULATORY INFORMATION

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

This safety datasheet complies with the requirements of:

EU Commission Regulation (EU) 2020/878 (REACH)

EU Regulation (EC) No 1272/2008 (CLP)

German Ordinance on Facilities Handling Substances that are Hazardous to Water (AwSV)

<https://webriigoletto.uba.de/Rigoletto/Home/Search>

EINECS: All components in this product are listed on the European Inventory of Existing Chemical Substance

German Ordinance on Facilities Handling Substances that are Hazardous to Water (AwSV):

CHEMICAL	Identification number	WGK (Water hazard class)
Isopropanol	135	WGK 1
PRODUCT		WGK 1

NWG - non-hazardous to water

WGK1 - slightly hazardous to water

WGK2 - obviously hazardous to water

WGK3 - highly hazardous to water.

Substances that are currently not published with a WGK classification in the Bundesanzeiger must be regarded as highly hazardous to water (WGK 3) for reasons of precaution.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out on this product.

Section 16: OTHER INFORMATION

Full text of H and P-Statements referred to under sections 2 and 3.

H225 Highly flammable liquid and vapour

H226 Flammable liquid and vapour

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

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

P233 Keep container tightly closed.

P235 Keep cool.

P240 Ground and bond container and receiving equipment.

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


P242 Use non-sparking tools.

P243 Take action to prevent static discharges

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P370+P378 In case of fire: Use water spray (fog), carbon dioxide (CO₂), dry chemical powder or foam to extinguish.

	SAFETY DATA SHEET	
SatPax® 5-9% IPA/ 91-95% DI H₂O	29 th October 2022	Page 11 of 11

P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to a suitable disposal site in accordance with local/regional/national/international regulations

Training advice: Before using/handling the product one must read carefully present SDS.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European
CAS: Chemical Abstracts Service (division of the American Chemical Society)
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL: Derived No Effect Level
EC50: Half maximal effective concentration
EINECS: European Inventory of Existing Commercial Chemical Substances
EU: European Union
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
IATA: International Air Transport Association
IBC: International Bulk Code
IMDG: International Maritime Code for Dangerous Goods
IOELV: Indicative Occupational Exposure Limit Value
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
MARPOL: International Convention for the Prevention of Pollution from Ships
OEL: Occupational Exposure Level
PBT: Persistent, Bioaccumulative and Toxic
PNEC: Predicted No Effect Level
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
SCBA: Self Contained Breathing Apparatus
SCL: Specific Concentration Limits
UN: United Nations
VPvB: Very Persistent and very Bioaccumulative
WEL: Workplace Exposure Limit

Document history

Date of issue: 29th October 2022

Version no. 1

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