



BLUESKY

Bluesky Solutions UK, Horizon House, Estate Road Rive, Grimsby, DN31 2TG
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MATERIAL SAFETY DATA SHEET

Revision Date: 02 Apr 2020

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

1.1 Product Identifier:

Trade Name	Description	Unit	Product Code
Bluesky UK Ltd	Alcohol Hand Gel	IBC	BSHS001B

1.2 Relevant identified uses of the substance / mixture and uses advised against

1.2.1 Relevant identified uses: Quick drying sanitiser containing > 70 % ethanol v/v and 1 - 2 % Glycerol v/v. Unscented product.

1.2.2 Uses advised against: No additional information available.

1.3 Details of the supplier of the safety data sheet

Company: Bluesky Solutions UK

Address: Horizon House, Estate Road Five, Grimsby, DN31 2TG

Telephone: 01472 240940

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2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam Liq 2 H225

Eye Irrit 2 H319

2.2 Label Elements



Signal Word: DANGER

Hazard Statements:

H225: Highly flammable liquid and vapour

H319: Causes serious eye irritation

Precautionary Statements:

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

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

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

P242 Use non-sparking tools. Take action to prevent static discharges.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/eye protection/face protection.

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

P337 + P313 If eye irritation persists: Get medical advice/attention.

P370 + P378 In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder or water fog to extinguish.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.
P301 + P330 + P331 + P313 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get medical advice/attention.

Storage P102 Keep out of reach of children.

2.3 Other hazards



No other information available.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixture

Substance name	REACH no.	CAS no. / EC no.	Classification according to 1272/2008:	H Statements	Amount %
Ethanol	01-2119457610-43-xxxx	64-17-5/200-578-6	GHS02  GHS07 	According to 1272/2008: Flammable Liquid. 2 – H225 Eye Irritant 2 – H319	70%
Glycerine 98%	01-2119471987-18-xxxx	56-81-5 /	Substance classified as not hazardous	Not hazardous	<2%

4. FIRST AID MEASURES

4.1 Description of first aid measures.

Inhalation - Remove person to fresh air. Keep warm and at rest. Apply artificial respiration if breathing has ceased or shows signs of failing. OBTAIN IMMEDIATE MEDICAL ATTENTION

Skin exposure - Wash with soap and water and remove contaminated clothing. OBTAIN MEDICAL ATTENTION IF IRRITATION CONTINUES.

Eye exposure - Immediately rinse with clean water for 15 minutes. Remove contact lenses if present and easy to do so, continue rinsing. OBTAIN IMMEDIATE MEDICAL ATTENTION

Ingestion - Wash out mouth with water. Do NOT induce vomiting. Give oxygen if there is difficulty in breathing. Give artificial respiration if breathing has stopped. OBTAIN IMMEDIATE MEDICAL ATTENTION.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye irritation.

After inhalation. Aerosols : May cause a light irritation of the throat and the upper airways.

After ingestion: Slight irritant by ingestion.

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

Information not available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Small fires. Use water spray, foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray. Do not use water jet.

5.2 Special Hazards arising from the substance or mixture

Combustion may give rise to hazardous fumes. Fumes can combine with air an explosive mixture.

Vapours with a source of ignition can create a flash fire, not a UVCE (Unconfined Vapour Cloud Explosion) Run off to sewer may cause fire or explosion hazard.

5.3 Advice for fire-fighters

Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing liquids. Wear complete protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition and consider the need for evacuation. Use appropriate personal protective equipment, clothing gloves and eye/face protection and respiratory protection. Avoid contact with skin and eyes. Ensure adequate ventilation of the working area.

6.2 Environmental Precautions

Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) in large quantities contact local water authority and inform the Environment Agency.

6.3 Methods and material for containment and cleaning up

Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Finally flush area with plenty of water.

6.4 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 disposal information.

7. HANDLING AND STORAGE

7.1 Precaution for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Pneumatic conveyance only with nitrogen.

Wear protective equipment required before operation (see Section 8)

If possible use an enclosed transfer system.

Provide for safety showers and eye washes on the workplace

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Use explosion-proof apparatus / fittings and spark-proof tools.

Fumes can combine with air to form an explosive mixture.

Safety equipment to fight against fire, leak or spill must be easily accessible grounding equipment.

7.2 Conditions for safe storage, including any incompatibilities

Use only receptacles specifically permitted for this substance/product.

Storage tanks must be equipotential electric connexion, and a grounding connection.

Ethanol: Compatible materials: stainless steel, titanium, cast bronze, cast iron, carbon steel, polypropylene, neoprene, nylon, viton, ceramic, carbon, glass.

Incompatible materials: natural rubber, PVC, methyl-methacrylate plastics, polyamides, zinc, brass, aluminium under certain conditions

7.3 Specific end use(s)

No specific information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Workplace exposure Limits as defined by UK HSE in document EH40/2005 where available:

Substance	CAS number	Workplace Exposure Limit			
		Long-Term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15 minute reference period)	
		ppm	mg.m ³	ppm	mg.m ³
Ethanol	64-17-5	1000	1920	-	-

Ethanol:

DNELs:

Inhalation (short term, local) : 19 mg/m³ (1000ppm)Inhalation (long term, systemic): 950 mg/m³ (500ppm)

Dermal (long term, systemic): 343 mg/kgbw/day

PNECs:

Fresh water, Long term: 0.96 mg/l

Marine water, Long term: 0.79 mg/l

Sediment; Long term: 3.6 mg/kg

Sediment marine, Long term: 2.9 mg/kg

Soil, Long term: 0.63 mg/kg

8.2 Exposure controls

The appropriate control measures depend on how the product is used and the potential for exposure. If engineering controls and work practices are not effective in preventing or controlling exposure, suitable personal equipment, which is known to perform satisfactorily, should be used.

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation. In case of risk of exposure exceeding the mean exposure value, an appropriate breathing apparatus must be worn by each individual.

Protection of hands:

Protective gloves. Material of 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. Butyl rubber, BR Nitrile rubber, NBR Synthetic rubber gloves.

Eye protection:

Safety glasses. Avoid contact with eyes.

Body protection:

Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state : Liquid

Appearance : Liquid

Colour : Colourless

Odour : Alcohol-like

pH : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flammable / Flash point : No data available

Relative density : No data available

Density : No data available

Solubility : Soluble / dispersible in water

Viscosity, kinematic / dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

9.2 Other Information

No other relevant information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Information not specified

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Reacts with light alloys to form hydrogen

Reacts with peroxides

Reacts with halogenated compounds

10.4 Conditions to avoid

High temperatures/heat sources, static discharges, sources of ignition

10.5 Incompatible materials

Oxidizing agents

Peroxides (H₂O₂, Na₂O₂, K₂O)

Oxidizing acids and salts

Acid and salt (H₂SO₄, HClO₄)

Organometallic

Hydrogen

Phosphorus, arsenic, antimony

Metallic oxides

Silver nitrate

Mercuric nitrate

Magnesium perchlorate

10.6 Hazardous decomposition products

Combustion will generate: oxides of carbon.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

The mixture has not been assessed for toxicological effects. The mixture classification is given in section 2 based on individual component contents. Individual component hazards are given in section 3.

Toxicological information on hazardous ingredients where available:

Ethanol (CAS: 64-17-5):

Acute Toxicity:

LD₅₀: 6200 – 15000 mg/kg (oral rat) (OECD401 equivalent)

LC₅₀: >50 mg.m³ (inhalative rat) (OECD403 equivalent)

Oral: available data indicates that classification criteria are not met.

Dermal: available data indicates that classification criteria are not met.

Inhalation: available data indicates that classification criteria are not met.

Primary irritant effect:

Skin corrosion / irritation:

Available data indicates that classification criteria are not met.

Serious eye damage / eye irritation:

May cause moderate eye irritation.

Sensitization:

Respiratory or skin sensitization: no effect

Other information (about experimental toxicology): Frequent or prolonged skin contact may cause dermatosis.

Toxicokinetics, metabolism and distribution:

In humans, ethanol is readily absorbed by the oral and inhalation routes, is distributed throughout all tissues and organs and is readily metabolized and excreted.

Ethanol is not accumulated in the body.

Dermal uptake of ethanol is very low.

Specific target organ toxicity (STOT):

After single exposure: Available data indicates that classification criteria are not met.

After repeated exposure: Available data indicates that classification criteria are not met.

Aspiration hazard:

No effect

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity: Available data indicates that classification criteria are not met.

Germ cell mutagenicity: Available data indicates that classification criteria are not met.

Reproductive toxicity: Available data indicates that classification criteria are not met.

12. ECOLOGICAL INFORMATION**12.1 Toxicity:**

The product components are not classified as environmentally hazardous. However this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Toxicological information on hazardous ingredients where available:

Ethanol:

EC50: 275mg/l, 72h mg/l (ALGUES) (*Chlorella vulgaris*)

EC10: 11.5 mg/l

Selenastrum capricornutum : EC50, 72h: 12.9 g/l - EC10: 0.44 g/l

Chlamydomonas eugametos: EC50, 48h: 18 g/l - NOEC: 7.9 g/l

Aquatic algae saltwater:

Skeletonema costatum, NOEC (5 days): 3.24 g/l.

12.34g/l, 48h mg/l (DAPHNIES) (*Daphnia magna*)

Daphnia magna; NOEC (reproduction, 21 days): >10 mg/l

Ceriodaphnia dubia: EC50, 48h: 5.012g/l;

NOEC (reproduction, 10 days): 9.6 mg/l

Palaemonetes pugio NOEC (developmental, 10 days): 79 mg/l

Invertebrates saltwater:

Artemia salina: EC50, 24h: 23.9 g/l (>10g/l)

Artemia salina nauplii: EC50, 48h: 857 mg/l LC50 13 g/l, 96h mg/l (POISSON) (*Salmo gairdneri*)

Pimephales promelas: 13.5, 14.2 and 15.3 g/l

Glycerine 98%:

Fish toxicity:

LC50:68100mg/L (96 h)

12.2 Persistence and degradability

Substance is expected to degrade readily in sewage treatment plants.

12.3 Bioaccumulative potential

The product evaporates into the atmosphere

The product evaporates quickly if it is spilled on the ground

Based on the partition coefficient, the substance has a low bioaccumulation potential

12.4 Mobility in soil

If released to the environment it will partition to air and water.

The product is poorly absorbed on to soil or sediments

12.5 Results of PBT and vPvB:

No information available.

12.6 Other adverse effects

No further relevant information available.

13.DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods**

Recommendation

When disposing of surplus or waste product use suitable PPE, ensuring empty containers are rinsed out and disposed of safely. Do not allow product to enter land or surface water drains. Dispose of in accordance with local authority regulations. Do not mix with other waste materials. Uncleaned packaging:

Recommendation:

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Do not cut, puncture or weld near empty containers

Empty containers may contain hazardous residues

Do not remove the label on the package until it is cleaned

Do not treat the empty packaging as a household waste

Do not incinerate sealed packaging

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

14. TRANSPORT INFORMATION

UN number: 1170

Shipping name: Bluesky Uk Ltd

14.3 Transport hazard class : ALCOHOLS, N.O.S.

14.4 Packing Group: III

14.5 Environmental Hazards: ALCOHOLS, N.O.S.

14.6 Special precautions for user:

No information

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:

No information

15: REGULATORY INFORMATION

15.1 Safety, health and environment regulation/legislation specific to the substance or mixture EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Guidance

ECHA Guidance on the application of CLP criteria (Version 4: November 2013) ECHA Guidance on the compilation of safety data sheets (Version 2.1: February 2014)

15.2 Chemical safety assessment

No information

16. OTHER INFORMATION

SDS information: To the best of our knowledge this information is accurate and the Company cannot accept any responsibility for liability arising out of the use of information or any use, application or processing of the product described herein.

Application to dry, cracked or cut skin should be avoided.