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MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Benzyl Alcohol			
Biological Definition		-			
INCI Name		-			
Synonyms & Trade Names		-			
CAS-No	100-516	EC No.	202-859-9	EINECS No.	202-859-9
1.2 Relative identified uses of the substance or mixture and uses advised against					
No additional data					
1.3 Details of the supplier of the safety data sheet					
The Soap Kitchen Unit 8 Caddsdwn Industrial Park Clovelly Road Bideford EX39 3DX					
1.4 Emergency Tel. No.		+ 44 (0) 1260 222 943			

02. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture	
No additional data	
Classification (EC 1272/2008)	
Acute Tox. 4 – H302 – Harmful if swallowed Acute Tox. 4 – H302 – Harmful if inhaled Eye Irrit. 2 – H319 – Causes serious eye irritation	
<u>Classification according to Directive 67/548/EEC or Directive 1999/45/EC</u> Xn; Harmful Xi; Sensitising R43 – May cause sensitisation by skin contact	

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Information concerning particular hazards for human and environment

Vapours of this product are heavier than air and may accumulate on the ground, in the sump of pits, drains or cellars with higher concentrations. Ground level ventilation is recommended.

2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Warning

Contains

No additional data

Hazard Statements

H302 – Harmful if swallowed

H332 – Harmful if inhaled

H319 – Causes serious eye irritation

Precautionary Statements

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

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray

P264 – Wash thoroughly after handling

P270 – Do not eat, drink or smoke when using this product

P304/P340 – IF INHALED – Remove victim to fresh air and keep at rest in a position comfortable for breathing
PP305/P351/P338 – IF IN EYES – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P301/P312 – IF SWALLOWED – Call a POISON CENTRE or doctor/physician if you feel unwell.

P312 – Call a POISON CENTRE or doctor/physician if you feel unwell.

P337/P313 – If eye irritation persists – Get medical advice/attention

P330 – Rinse mouth

Supplementary Statements

No additional data

2.3 Other Hazards

PBT or vPvB according to Annex XIII

No additional data

Adverse physio-chemical properties

No additional data

Adverse effects on human health

No additional data

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03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Substances

Benzyl Alcohol

CAS: 100-51-6

Classification:

- Acute Tox. 4 – H302
- Eye Irrit. 2 – H319

04. FIRST AID MEASURES

4.1 Description of first aid measures

General Information	Symptoms of poisoning may occur after several hours; therefore, medical observation for at least 48 hours after the incident.
Inhalation	Remove to fresh air immediately. Seek medical attention immediately. In the event of unconsciousness place patient stably in recovery position for transportation. Seek medical advice immediately.
Ingestion	Do NOT induce vomiting; rinse mouth with water, seek medical attention immediately.
Skin Contact	Remove all contaminated clothing and ensure washing before reuse. Wash skin thoroughly, immediately, with soap and water. Repeated skin contact may result in skin irritation and dermatitis. Always wear protective gloves suitable for this product.
Eye Contact	Rinse eyes, when open, for a minimum of fifteen minutes with clean running water. If possible and safe to do so, remove contact lenses, then continue rinsing. Seek medical attention/advice immediately. Continue to irrigate eye with clean water.

4.2 Most important symptoms and effects, both acute and delayed

- Dizziness
- Headache
- Coughing

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Use extinguish media which is suitable for the surrounding areas and conditions.

5.2 Special hazards arising from the product

No additional data

5.3 Advice for firefighters

Wear self-contained respiratory equipment and appropriate protective clothing. Collect contaminated firefighting media separately. Do NOT allow anything to enter sewage system.

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06. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures
	Ensure adequate ventilation. Keep people at a distance and stay on the windward side. Wear protective clothing at all times.
6.2	Environmental Precautions
	Dilute with plenty of water. In case of any seepage into the ground, inform the relevant authorities immediately. Do NOT allow to enter the environment through the ground, surface or underground water of any description or through sewers and drains.
6.3	Methods and material for containment and cleaning up.
	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Send for recovery or disposal in suitable receptacles – may to be UN approved.
6.4	Reference to other sections
	Section 13

07. HANDLING AND STORAGE

7.1	Precautions for safe handling
	Ensure good ventilation/exhaustion in the workplace. Take note of emission threshold. Use only in well-ventilated areas. Ensure that the ventilation is adequate especially at floor level. (Fumes are heavier than air. Do not eat, drink or smoke whilst handling this product. If handling large/heavy packages, ensure the use of appropriate equipment.
E	Conditions for safe storage, including any incompatibilities
	<p>Storage requirements to be met by storerooms and receptacles:</p> <ul style="list-style-type: none"> - Solvent resistant, sealed floor. Prevent any seepage from entering the ground and/or environment - Use only receptacles specifically permitted for this substance/product - Unsuitable receptacle material: Aluminium <p>Information on storage in one common facility:</p> <ul style="list-style-type: none"> - Do NOT store with oxidising and acidic materials - Do NOT store with heavy-metal compounds <p>Keep Containers sealed at all times. Store in a cool, dry, well-ventilated place.</p>
7.3	Specific end use(s)
	No additional data

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08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

Protective Equipment



Process Conditions	No additional data
Engineering Measures	Ensure there is sufficient ventilation in all areas, especially at floor level. Install eyewash stations in appropriate places.
Respiratory Equipment	In the event of brief exposure or low pollution – use respiratory filter In the event of intensive or long exposure – use self-contained respiratory protective device.
Hand Protection	<p>Use appropriate protective gloves at all times whilst handling this product. Solvent resistant gloves. Use gloves approved to BS EN 374:</p> <ul style="list-style-type: none"> - Protective Gloves against Chemicals. Chemical Resistant Gloves, class 4 or higher for prolonged exposure. 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 <p>Material of gloves:</p> <ul style="list-style-type: none"> - 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. <p>Penetration time of glove material:</p> <ul style="list-style-type: none"> - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye Protection	Appropriate safety goggles/face shield are recommended for handling this product.
Other Protection	No additional data

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Hygiene Measures	Good hygiene practices are always advised, especially when handling chemicals, oils or any other similar substances.
Personal Protection	No additional data
Skin Protection	Wear appropriate protective clothing at all times when handling this product or whilst in the vicinity.
Environmental Exposure Controls	Do NOT release in to the environment at all. Do NOT allow to enter drains/sewage, ground or bodies of water of any description.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Liquid
Colour	Colourless, Aged product may darken depending on storage conditions and time period.
Odour	Mild Aromatic
Density @ 20°C	1.04 g/cm ³
Flash Point (°C)	96°C
Refractive Index	No additional data
Melting Point (°C)	-15.4°C
Boiling Point (°C)	205.4°C
Vapour Pressure @ 20°C	0.13 hPa
Solubility in/Miscibility Water @20°C	39 g/l
Auto-ignition temperature (°C)	435°C
9.2 Other information	
No additional data	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
No additional data	
10.2 Chemical stability	
No decomposition is expected if used according to specifications and industry good practice	
10.3 Possible hazardous reactions	

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Violent reaction with some acids (sulphuric) and iron when heated >180°C

10.4 Conditions to Avoid

No additional data

10.5 Incompatible materials

Acids, Strong Oxidising Agents, Strong Alkalis. Reacts with Iron when heated.

10.6 Hazardous Decomposition Products

Carbon monoxide if incomplete combustion. Benzaldehyde.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	LD/LC50 values relevant for classification: - Oral LD50 1230 mg/kg (rat) - Dermal LD50 2000 mg/kg (rabbit)
Skin corrosion / irritation	Prolonged contact may result in mild skin irritation. Liquids and Vapours may penetrate the skin.
Serious eye damage / irritation	Persistent exposure may cause eye irritation.
Respiratory or skin sensitisation	Sensitisation possible through skin contact
Germ Cell Mutagenicity	No additional data
Carcinogenicity	No additional data
Reproductive toxicity	No additional data
STOT-single exposure	No additional data
STOT-repeated exposure	No additional data
Aspiration hazard	No additional data
Photo-toxicity	No additional data
Other Information	No additional data

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic Toxicity: No additional data

12.2 Persistence & degradability

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This product is expected to be biodegradable.

Biodegradable under anaerobic conditions – 100% after 14 days

12.3 Bioaccumulation Potential

This product is not expected to accumulate in organisms.

12.4 Mobility in soil

Ecotoxicological effects – Remark: LC50, 96hr – (10 - 460) mg/ltr

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 courses or sewage system

12.5 Results of PBT and vPvB Assessment

No additional data

12.6 Other adverse effects

No additional data

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Always dispose of this product in accordance with local and national regulations. Must NOT be disposed of together with household refuse. Do NOT allow product to reach/enter sewage system.

Waste Solvent Disposal must be made according to official regulations. Refer to hazardous waste regulations 2005. Requires movement under consignment note by licensed carrier. Empty contaminated packaging thoroughly. They may be recycled after thorough and proper cleaning. Containers to be scrapped must be cleaned so that no hazardous waste remains, otherwise uncleaned containers containing residue for scrap will need to be consigned as hazardous waste per WM2 version 3 2014.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road

Void

UN No. SEA

Void

UN No. AIR

Void

14.2 UN proper shipping name

Not Applicable

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14.3	Transport hazard class(es)
	Not Applicable
14.4	Packing group
	Not Applicable
14.5	Environmental hazards
	Not Applicable
14.6	Special precautions for user
	Not Applicable
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC code
	Not Applicable

15. REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture
	No additional data
15.2	Chemical safety assessment
	No additional data

16. OTHER INFORMATION

Hazard Statements in Full	H302 – Harmful if swallowed H332 – Harmful if inhaled H319 – Causes serious eye irritation
Revision Date	18/12/2019
Rev No	1

DISCLAIMER: This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.