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SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MIXTURE AND COMPANY

1.1 PZB Fudge Professional Xpander Foam

1.1.1 **Product Reference**
HDR365017

1.2 **The mixture is used as a Personal Care Product.**

1.3 **Manufacturer/Distributor:**
Swallowfield plc
Station Road
Wellington
Somerset
TA21 8NL
UK

1.4 **Emergency Telephone:**
+44 (0) 1823 652 333 (24 hours)
email:
sales@swallowfield.com

SECTION 2: HAZARD IDENTIFICATION

2.1 **Classification of the mixture**

Classification (Regulation (EC) No 1272/2008)

Flammable Aerosol Category 1
Aquatic Chronic Category 3

2.2 **Label elements**

Labelling (Regulation (EC) No 1272/2008)

Signal Word
Danger

Hazard statement
H222 Extremely flammable aerosol
H229 Pressurised container: May burst if heated
H412 Harmful to aquatic life with long-lasting effects

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Precautionary Statements

P102 Keep out of reach of children
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.
P211 Do not spray on open flame or other ignition source
P251 Do not pierce or burn, even after use
P273 Avoid release to the environment
P410 + 412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.
P501 Dispose of contents/container to a licensed facility in accordance with national regulations

2.3 Supplemental Hazard Statements

None.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

Ingredient Name	CAS Number	% (w/w)	Classification to 1272/2008 & Hazard phrases
Butane	106-97-8	> 5.0% - ≤ 10.0%	Flammable Gases Category 1, H220
Propylene Glycol	57-55-6	>1.0% - ≤ 5.0%	-
Isobutane	75-28-5	>1.0% - ≤ 5.0%	Flammable Gases Category 1, H220
Propane	74-98-6	>1.0% - ≤ 5.0%	Flammable Gases Category 1, H220
Polyimide-1	497926-97-3	>1.0% - ≤ 5.0%	Aquatic Chronic Category 2, H411
Laureth-4	5274-68-0 / 9002-92-0 / 68439-50-9	>1.0% - ≤ 5.0%	Skin irritation Category 2, H315 Eye irritation Category 2, H319
Oleth-10	9004-98-2	>0.1%-≤1.0%	Eye irritation Category 2, H319
Polyquaternium-55	306769-73-3	>0.1%-≤1.0%	Aquatic Acute Hazard Category 1, H400 Aquatic Chronic Category 1, H410
Phenoxyethanol	122-99-6	>0.1%-≤1.0%	Acute Toxicity (Oral) Category 4, H302 Eye irritation Category 2, H319
Capryl/Capramidopropyl Betaine	73772-45-9 / 73772-46-0	>0.1%-≤1.0%	Eye damage Category 1, H318
Parfum (Fragrance)	-	>0.1%-≤1.0%	Aspiration Toxicity (Oral) Category 1, H304 Skin irritation Category 2, H315 Skin Sensitiser Category 1, H317 Eye irritation Category 2, H319 Aquatic Chronic Category 2, H411
Hydroxyethyl Cetyldimonium Phosphate	85563-48-0	>0.1%-≤1.0%	Skin irritation Category 2, H315 Eye damage Category 1, H318 Aquatic Acute Hazard Category 1, H400 Aquatic Chronic Category 1, H410
Cetrimonium Chloride	112-02-7	>0.1%-≤1.0%	Acute Toxicity (Oral) Category 3, H301 Skin irritation Category 2, H315

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			Eye damage Category 1, H318 STOT SE 3, H335 Aquatic Acute Hazard Category 1, H400
Sodium Hydroxide	1310-73-2	≤ 0.1%	Skin Corrosion Category 1A, H314
Chlorphenesin	104-29-0	>0.1%-≤1.0%	Acute Toxicity (Oral) Category 4, H302 Acute Toxicity - Dermal Category 4, H312 Skin irritation Category 2, H315 Eye irritation Category 2, H319 Acute Toxicity (Inhalation) Category 4, H332 STOT SE 3, H335
Isopropyl Alcohol	67-63-0	>0.1%-≤1.0%	Flammable Liquid Category 2, H225 Eye irritation Category 2, H319 STOT SE 3, H336
Trideceth-12	24938-91-8 / 69011-36-5	≤ 0.1%	Eye damage Category 1, H318
Glycerin	56-81-5	≤ 0.1%	-

For the full text of the H- & P-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 First Aid Instructions

General: If symptoms persist, call a Doctor.

Eyes: If this product comes in contact with eyes: Wash out immediately with water. If irritation continues seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin: If skin or hair contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Ingestion: Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Inhalation: If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.

4.2 Symptoms and effects, both acute and delayed

Inhaled: The material may produce adverse health effects or irritation of the respiratory tract Good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Ingestion: Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

Skin Contact: The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives). Nevertheless, good hygiene practice

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requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

Eye: Although the product is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

Chronic: Long-term exposure to the product is not thought to produce chronic effects adverse to health (as classified by EC Directives); nevertheless, exposure by all routes should be minimised as a matter of course.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable: Water spray jet, powder, foam, carbon dioxide.
Unsuitable: No full water jet.

5.2 Special Hazards

Vapours/aerosols can form an explosive mixture with air. Heat causes increase in pressure and risk of bursting
If heated to decomposition may release COx and complex hydrocarbons.
Be aware of possible violent rupture of containers involved in fire.

5.3 Advice to firefighters

Cool endangered containers or product with water spray jet.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:

Wear appropriate protective clothing.
Wear respiratory protection.
Eliminate all sources of ignition.

6.2 Environmental Precautions

Spill into Atmosphere: Knock down product vapours and mists with water spray jet.
Environmental Precautions: Prevent the material from entering drains or water courses. Advise authorities if spillage has entered water course or sewer.

6.3 Methods and materials for containment and cleaning up

Spill response: Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes.

7.2 Conditions for safe storage

Storage area should be dry, well ventilated and cool.

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Store away from sources of heat / ignition.
Product must be stored below 50°C.
Storage and transfer equipment should be adequately earthed and bonded to prevent the accumulation of static charges.

7.3 Specific end use

Product is designed as a Personal Care Product for home use and is safe when used in accordance with manufacturer's instructions.

SECTION 8: CONTROL PARAMETERS

8.1 Control Parameters

UK EH40 WEL

Component	Cas No.	Workplace Exposure Limits			
		Long-term exposure limit (8-hr TWA reference period		Short-term exposure limit (15-minute reference period)	
		ppm	mg.g^{-3}	ppm	mg.m^{-3}
Butane	106-97-8	600	1450	750	1810
Propylene Glycol Total vapour and particulates Particulates	57-55-6	 150 -	 474 10	 - -	 - -
Isopropanol	67-63-0	400	999	500	1250
Glycerin, mist	56-81-5	-	10	-	-

US PEL

Substance	CAS No.	Regulatory Limits			Recommended Limits	
		OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH 2015 TLV
		ppm	mg/m^3	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
Propane	74-98-6	1000	1800	1000 ppm	1000 ppm	See TLV® bookAppendix F (D, EX)
Sodium hydroxide	1310-73-2		2	(C) 2 mg/m3	(C) 2 mg/m3	(C) 2 mg/m3
Isopropyl alcohol	67-63-0	400	980	400 ppm (ST) 500 ppm	400 ppm (ST) 500 ppm	200 ppm (ST) 400 ppm

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Glycerin (mist) Total dust Respirable fraction	56-81-5	-	15 5	PNOR 10 mg/m3 5 mg/m3	See Appendix D	-

8.2 Exposure Controls

8.2.1 Appropriate engineering controls
Ventilation: Keep area well ventilated

8.2.2 Personal Protection:

Eye Protection:	Keep eyes protected from direct exposure.
Skin Protection:	Minimal risk of harm through skin contact.
Respiratory Protection:	Respiratory protection if there is a risk of exposure to high vapour concentrations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

(a) Appearance:	Aerosol
(b) Colour:	Characteristic
(c) Odour:	As standard
(d) Odour threshold	Not determined
(e) pH	7.5-8.0
(f) Melting Point	Not determined
(g) Initial Boiling Point and boiling range	Not determined
(h) Flash Point	Not determined
(i) Evaporation rate	Not Applicable
(j) Flammability	Extremely Flammable
(k) Upper/lower flammability or explosive limits	Not determined
(l) Vapour pressure	Not determined
(m) Vapour density	Not determined
(n) Specific gravity @25°C	1.005g/cm^3 ± 0.01
(o) Solubility	Not determined
(p) Partition coefficient n-octanol/water	Not Applicable
(q) Auto-ignition Temperature	Not Applicable
(r) Decomposition temperature	Not determined
(s) Viscosity	Not determined
(t) Solids content	5.0 ± 1% (1g/3hr/105^{0}C)
(u) Water	Not determined

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Mixture is not reactive

10.2 Chemical stability
Mixture is stable under normal conditions

10.3 Possibility of hazardous reactions
Mixture is unlikely to undergo any hazardous reactions

10.4 Conditions to avoid
If ventilation is not sufficient, may form flammable/explosive vapour-air-mixture.
Heat causes increase in pressure and risk of bursting.
Pressurised container: protect from sunlight and do not expose to temperatures above 50°C.
Do not pierce or burn, even after use.

10.5 Incompatible materials
Strong acids or alkalis
Oxidising agents

10.6 Hazardous decomposition products
Oxides of carbon
Complex hydrocarbons

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity
Not determined
Skin corrosion/irritation
Not determined
Serious eye damage/eye irritation
Not determined
Respiratory or skin sensitisation
Not determined
Germ cell mutagenicity
No data available
Carcinogenicity
No data available
Reproductive toxicity
No data available
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeat exposure
No data available

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish Mortality LC50 - Salmo gairdneri - not determined
Method OECD Test Guideline 203

Toxicity to Daphnia and other aquatic invertebrates
Immobilisation EC50 - Daphnia magna (Water flea) - not determined

12.2 Persistence and degradability
Biodegradability Biotic/Aerobic - not determined. Ingredients are biodegradable.

12.3 Bioaccumalative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
No data available

12.6 Other adverse effects

Biochemical Oxygen Demand (BOD)	Not determined
Chemical Oxygen Demand (COD)	Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Product
Offer surplus and non-recyclable solutions to a licensed disposal company.
Dispose of in accordance with local regulations.
Waste code of container with content: 160505

Contaminated packaging
Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

14.0 UN No: 1950
Aerosols flammable

14.1 Land Transport (ADR/GGVS, RID/GGVE)

Class: 2 Classification Code: 5F Letter: 2.1
Special Rules: 190, 327, 344, 625

14.2 ` Marine Transport (IMDG)

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Class: 2 PG: 3003; EMS-No.: 2-13; MFAG: 4.2; marine pollutant: no:
Proper shipping name: Aerosols, flammable n.o.s.

14.3 Air Transport (ICAO/IATA)
Class: 2.1 Aerosols, flammable n.o.s.

SECTION 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1272/2008

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Aerosol Dispenser Directive - 2008/47/EC

15.2 Chemical Safety Assessment
For this product a chemical safety assessment was not carried out

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This product contains the following materials with a CERCLA RQ

Ingredient(s)	CAS #	RQ (lbs)
Sodium Hydroxide	1310-73-2	1,000

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards :

Physical Hazards
Flammable aerosol

Health Hazards
None

SARA 302 :
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 :
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Proposition 65
This product is not subject to the reporting requirements under California's Proposition 65.

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RIGHT TO KNOW(RTK)

Ingredient(s)	CAS #	MARTK	NJRTK	PARTK	RIRTK
Butane	106-97-8	-	X	X	X
Propylene Glycol	57-55-6	-	X	X	X
Isopropanol	67-63-0	X	X	X	X
Glycerin	56-81-5	X	X	X	X
Sodium Hydroxide	1310-73-2	X	X	X	X

Other
Fragrance contained within this product complies with appropriate IFRA guidelines

SECTION 16: OTHER INFORMATION

Pictogram
Flame

Signal Word
Danger

Hazard statements
H220 Extremely flammable gas
H222 Extremely flammable aerosol
H225 Highly flammable liquid and vapour.
H229 Pressurised container: May burst if heated
H301 Toxic if swallowed
H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H319 Causes serious eye irritation
H332 Harmful if inhaled
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long-lasting effects
H411 Toxic to aquatic life with long-lasting effects
H412 Harmful to aquatic life with long-lasting effects

Precautionary Statements
P102 Keep out of reach of children

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.
P211 Do not spray on open flame or other ignition source
P251 Do not pierce or burn, even after use
P273 Avoid release to the environment
P410 + 412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.
P501 Dispose of contents/container to a licensed facility in accordance with national regulations

Supplemental Hazard Statements
None.

Reference No: HDR365017

Signed: _____

Mark Richard Bowes-Cavanagh BSc (Hons) App. Chem CSci CChem MRSC

Date: _____11 September 2019 _____

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