

# SAFETY DATA SHEET according to regulation (EC) No.1907/2006

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

### 1.1. Product Identifier

Product code: S3FIZ

Name: Fizz Foam

### 1.2. Product Uses

Produces stable acidic foam, designed to deal with complex and vertical surfaces intended to remove protein scale, hard water salts and acid sensitive residues found in the food industry. This material will affect acid sensitive surfaces.

### 1.3. Supplier

Quadralene Ltd  
Bateman Street  
Derby  
DE23 8JL

Phone: 01332 292500

Web: [www.quadralene.co.uk](http://www.quadralene.co.uk)

Fax: 01332 295941

Email: [info@quadralene.co.uk](mailto:info@quadralene.co.uk)

### 1.4. Emergency telephone number

Emergency telephone number: 01332 292402

## SECTION 2: Hazards identification (Undiluted product)

### 2.1. Classification of the mixture

According to 1272/2008

Health Hazards: Eye Dam. 1, Skin Corr. 1B

Physical Hazards: Not Classified

Environmental Hazards: Not Classified

### 2.2. Label elements

According to 1272/2008

Danger



H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

P260 Do not breathe mist/vapours/spray.

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

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

P363 Wash contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

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.

### 2.3. Other hazards

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

<b>Material</b>	<b>CAS number</b>	<b>Level</b>	<b>Hazards (see section 16)</b>	
Orthophosphoric acid	7664-38-2	15-30%	Skin Corr. 1B	H314
Amphoteric surfactant	61789-40-0	1-5%	Eye Dam. 1	H318
2-methoxymethylethoxy propanol	34590-94-8	1-5%		WEL

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

Eye contact: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.

Skin contact: Remove contaminated clothing, wash skin with water and seek medical attention if irritation persists.

Inhalation: If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.

Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

First aider PPE: As required to prevent contact. See section 8.2.

#### **4.2. Most important symptoms and effects, both acute and delayed**

Eye hazard: Will cause severe irritation and damage.

Skin hazard: Causes severe burns.

Respiratory hazard: Not a hazard in normal use. Breathing spray mist may cause irritation.

Other hazards:

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

No special treatment or attention required additional to section 4.2.

### **SECTION 5: Fire fighting measures**

Flammability hazard: Not combustible.

#### **5.1. Extinguishing media**

No special requirements. As appropriate for the fire.

#### **5.2. Special hazards arising from the mixture**

No specific hazards arising from the mixture.

#### **5.3. Advice for firefighters**

No special measures arising from the mixture.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8

Spillage may make floors slippery. Keep the area clear. Observe regulations.

#### **6.2. Environmental precautions**

Prevent spills from entering water courses.

#### **6.3. Methods and material for containment and cleaning up**

Small quantities, flush to foul sewer with a large quantity of water.

Large quantities, neutralise with soda ash and flush to foul sewer or transfer to containers for disposal.

#### **6.4. Reference to other sections**

Observe the advice given in sections 8 and 13

## **SECTION 7: Handling and storage**

Shelf life: 24 months in original sealed containers.

### **7.1. Precautions for safe handling**

Do not mix with other products. Observe good industrial hygiene.

### **7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool, dry place protected from frost and away from alkalis and strong oxidising agents. Store upright in original containers. Recommended storage temperature 5-25°C.

### **7.3. Product Uses**

For most applications, use a 3 to 10% solution through foam equipment and allow a contact time of around 10 minutes. Rinse thoroughly with water, not allowing the foam to dry on. This material will affect acid sensitive surfaces. Test before use if in doubt. Do not mix with other products. Please refer to product safety data sheet before use. Use only as directed.

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

### **8.1. Control parameters**

Workplace exposure limits

Orthophosphoric acid	1 mg/m <sup>3</sup>	WEL 8 hour TWA (UK EH40)
2-methoxymethylethoxy propanol	50ppm	WEL 8 hour TWA (UK EH40)

### **8.2. Exposure controls**

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection:	Wear eye protection appropriate to the process according to BS EN 166.
Hand protection:	Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments.
Body protection:	As necessary to prevent contact.
Respiratory protection:	Use in a well ventilated area, avoid breathing spray mist, wear a protective mask to EN149 if necessary.
Other protection:	

Personal protective equipment:



Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: Prevent mixture from entering water courses.

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

### **9.1. Information on basic physical and chemical properties**

Appearance:	Red liquid	
Odour:	Mild, characteristic.	
pH (typical):	2.3	1% in water (typical).
Initial boiling point:	100°C.	Flash point: Not applicable.
Auto-ignition temp:	Not applicable.	Viscosity: Free flowing.
Explosive properties:	Not applicable.	
Oxidising properties:	Not applicable.	
Vapour pressure:	17.5mm Hg at 20°C.	
Solubility:	Miscible with water.	
Relative density at 20° C (typical):	1.124	

### **9.2. Other information**

## **SECTION 10: Stability and reactivity**

- 10.1. Reactivity** Incompatible with strong oxidising agents and alkalis.
- 10.2. Chemical stability** Stable under recommended storage conditions.
- 10.3. Possibility of hazardous reactions** No hazardous reactions are expected to occur.
- 10.4. Conditions to avoid** Extremes of temperature.
- 10.5. Incompatible materials** Incompatible with strong oxidising agents and alkalis.
- 10.6. Hazardous decomposition products** None known.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

- Acute toxicity: Does not contain any ingredients classified as acutely toxic.
- Skin corrosion/ irritation: Mixture is classified as Skin Corr. 1B. See section 2.
- Serious eye damage/ irritation: Mixture is classified as Eye Dam. 1. See section 2.
- Respiratory or skin sensitisation: Does not contain any ingredients classified as sensitising.
- Germ cell mutagenicity: Does not contain any ingredients classified as mutagenic.
- Carcinogenicity: Does not contain any ingredients classified as carcinogenic.
- Reproductive toxicity: Does not contain any ingredients classified as toxic for reproduction.
- STOT single exposure: Does not contain any ingredients classified as STOT SE.
- STOT repeated exposure: Does not contain any ingredients classified as STOT RE.
- Aspiration toxicity: Does not contain any ingredients classified as Asp Tox.

### **Routes of exposure/ symptoms**

- Eye contact: Will cause severe irritation and damage.
- Skin contact: Causes severe burns.
- Inhalation: Not a hazard in normal use. Breathing spray mist may cause irritation.
- Ingestion: Moderate toxicity, will cause irritation and damage to gastro-intestinal tract due to acidity.

## **SECTION 12: Ecological information**

- 12.1. Toxicity** May affect aquatic organisms due to low pH if released into water courses untreated.
- 12.2. Persistence and degradability** All organic ingredients are biodegradable when well diluted. Surfactants used comply with biodegradation criteria, see section 15.1.
- 12.3. Bioaccumulative potential** Not expected to bioaccumulate
- 12.4. Mobility in soil** This product has high water solubility
- 12.5. Results of PBT and vPvB assessment** Contains no ingredients classified as PBT or vPvB.
- 12.6. Other adverse effects** No other adverse effects are anticipated.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

- Process effluent can normally be discharged to foul sewer (subject to consent limits).
- Dispose of surplus product and packaging via a licenced chemical waste contractor.

## **SECTION 14: Transport information**

- 14.1. UN number** not classified      **14.2. UN proper shipping name**
- 14.3. Transport hazard class(es)** 8      **14.4. Packing group** 2
- 14.5. Environmental hazards** Not classified as environmentally hazardous for transport
- 14.6. Special precautions for user** No specific precautions.
- 14.7. Transport in bulk according to Annex II of MARPOL 7 3/78 and the IBC Code** Not available for bulk transport.

## **SECTION 15: Regulatory information**

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

Contents according to (EC) regulation No.648/2004 on detergents:

Phosphates

The surfactant(s) contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them at their direct request.

**15.2. Chemical safety assessment**      A chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

Hazard statements relating to ingredients (see section 3)

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

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This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.

