

# 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: V1QLD  
Name: Lab Powder

### 1.2. Product Uses

Cleaning and degreasing powder for use on glass, metal and plastic apparatus.

### 1.3. Supplier

Quadralene Ltd  
Bateman Street  
Derby  
DE23 8JL  
  
Phone: 01332 292500  
Web: www.quadralene.co.uk  
Fax: 01332 295941  
Email: 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, Repra. 1B, Skin Irrit. 2, STOT SE 3

Physical Hazards: Met. Corr. 1

Environmental Hazards: Not Classified

### 2.2. Label elements

According to 1272/2008

Danger



H360FD May damage fertility. May damage the unborn child

H335 May cause respiratory irritation

H318 Causes serious eye damage

H315 Causes skin irritation

H290 May be corrosive to metals

P234 Keep only in original container. P390 Absorb spillage to prevent material damage.

P261 Avoid breathing dust/mist/spray.

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

P302 + P352 IF ON SKIN: Wash with plenty of water. P332 + P313 If skin irritation occurs: Get medical advice/attention

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>	
Trisodium phosphate	10101-89-0	30-70%	Eye Irrit. 2, Skin Irrit. 2, STOT SE 3	H315 H319 H335
Sodium tetraborate decahydrate	1303-96-4	15-30%	Eye Irrit. 2, Repra. 1B	H360FD H319
Ethylenediaminetetraacetic acid	60-00-4	10-25%	Eye Irrit. 2	H319
Sodium carbonate	497-19-8	5-15%	Eye Irrit. 2	H319
Anionic surfactant	25155-30-0	1-5%	Acute Tox. 4, Eye Dam. 1, Skin Irrit. 2	H302 H315 H318

### **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 damage.

Skin hazard: Prolonged or repeated contact may cause irritation/dryness.

Respiratory hazard: Breathing dust may cause irritation of the respiratory tract.

Other hazards: Reproductive toxin. Avoid exposure by ingestion, inhalation or skin contact.

#### **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**

May cause toxic fumes in a fire.

#### **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

Take precautions to avoid exposure. 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**

Sweep up for re-use or disposal. Avoid creating dust.

#### **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.

Avoid contact by inhalation, ingestion or skin contact.

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

Store in a cool, dry place protected from frost and away from acids and strong oxidising agents. Store upright in original containers.

### **7.3. Product Uses**

Use a 5% solution in hot water with a contact time as required for the nature of the deposits to be removed. For alkali sensitive materials, such as aluminium, keep exposure to the minimum (1% or less). The cleaning solution may be used at 65°C in an ultrasonic tank, where ultrasonic agitation will increase the speed of cleaning. The treated articles should be rinsed in water and dried after removing from the cleaning solution.

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

Sodium carbonate (dust)	4mg/m <sup>3</sup>	WEL 8 hour TWA (UK EH40)
Sodium tetraborate decahydrate	5mg/m <sup>3</sup>	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:	Do not breathe dust. Wear a dust mask 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: White, non-uniform powder.

Odour: Characteristic, mild.

pH (typical): 9      1% in water (typical).

Initial boiling point: Not applicable.

Flash point: Not applicable.

Auto-ignition temp: Not applicable.

Viscosity: Powder.

Explosive properties: Not applicable.

Oxidising properties: Not applicable.

Vapour pressure: Not applicable.

Solubility: Soluble in water.

Relative density at 20° C (typical): N/a

### **9.2. Other information**

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

- 10.1. Reactivity** Incompatible with strong oxidising agents and acids.
- 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 acids.
- 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 Irrit. 2. 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: This material is classified as toxic for reproduction.
- STOT single exposure: Mixture is classified as STOT SE 3. See section 2.
- 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 damage.
- Skin contact: Prolonged or repeated contact may cause irritation/dryness.
- Inhalation: Breathing dust may cause irritation of the respiratory tract.
- Ingestion: Reproductive toxin- may impair fertility and cause fetal damage. Will cause irritation to gastro-intestinal tract due to alkal

## **SECTION 12: Ecological information**

- 12.1. Toxicity** This formulation is not classified as harmful for the environment.
- 12.2. Persistence and degradability** Biodegradable
- 12.3. Bioaccumulative potential** The product is 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).
- Large quantities, dispose via a licensed chemical waste contractor.

## **SECTION 14: Transport information**

- 14.1. UN number** 3262      **14.2. UN proper shipping name** Corrosive solid, basic, inorganic, N.O.S.
- 14.3. Transport hazard class(es)** 8      **14.4. Packing group** 3
- 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:

Anionic surfactants	<5%
Phosphates	>30%

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)

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H360FD May damage fertility. May damage the unborn child

H302 Harmful if swallowed

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.

