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: V1QLDL

Name: Lab Liquid

1.2. Product Uses

A special laboratory cleaning agent for use on all kinds of apparatus. Typical deposits which can be removed include oil, grease, tars, silicones, inorganic matter, polyacrylate and pva resins, blood residues, proteins and a wide range of organic soils. Alkali sensitive materials such as aluminium may be cleaned in solutions of 1% or less, but exposure must be kept to the necessary minimum.

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: Acute Tox. 4, Eye Dam. 1, Skin Irrit. 2

Physical Hazards: Not Classified

Environmental Hazards: Not Classified

2.2. Label elements

According to 1272/2008

Danger

H318 Causes serious eye damage
H315 Causes skin irritation
H302 Harmful if swallowed
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P334 IF ON SKIN: Immerse in cool water/wrap in wet bandages.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.

2.3. Other hazards

SECTION 3: Composition/ information on ingredients

Material	CAS number	Level	Hazards (see section 16)	
Tetrasodium EDTA	64-2-8	10-25%	Acute Tox. 4, Eye Dam. 1, Met. Corr. 1, Skin Irrit. 2	H290 H318 H302 H315
Anionic surfactant	68187-76-8	1-5%	Eye Irrit. 2, Skin Irrit. 2	H319 H315

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 if irritation persists.

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

Inhalation: Not applicable.

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: Will cause irritation.

Respiratory hazard: Not a hazard in normal use.

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 appropraite 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, contain and absorb or pump into suitable 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 acids and strong oxidising agents. Store upright in original containers. Recommended storage temperature 5-25°C.

7.3. Product Uses

Use a 2-10% solution in hot water. The cleaning solution may be used at 65ºC in an ultrasonic tank, where ultrasonic agitation will increase the speed of cleaning. Alkali sensitive materials such as aluminium may be cleaned in solutions of 1% or less, but exposure must be kept to the necessary minimum. Treated articles should be rinsed in water immediately. 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

None set in 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:	Not applicable.
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:	Very pale yellow liquid.
Odour:	Mild, characteristic.
pH (typical):	10.5 1% in water (typical).
Initial boiling point:	100ºC.
Auto-ignition temp:	Not applicable.
Explosive properties:	Not applicable.
Oxidising properties:	Not applicable.
Vapour pressure:	17.5mm Hg at 20ºC.
Solubility:	Miscible with water.
Relative density at 20° C (typical):	1.100

Flash point: Not applicable.

Viscosity: Free flowing.

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. Possibilty 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:	Mixture is classified as Acute Tox 4 (Oral). See section 2.
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:	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:	Will cause irritation.
Inhalation:	Not a hazard in normal use.
Ingestion:	Moderate toxicity, will cause irritation to gastro-intestinal tract.

SECTION 12: Ecological information

12.1. Toxicity May affect aquatic organisms due to high pH if released into water courses untreated.

12.2. Persistence and degradability Water based product. All organic ingredients are biodegradable when well diluted.

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).

Large quantities, dispose via a licensed chemical waste contractor.

Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

SECTION 14: Transport information

14.1. UN number Not classified **14.2. UN proper shipping name** N/a

14.3. Transport hazard class(es) N/a **14.4. Packing group** Na

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:

EDTA and salts thereof	5-15%
Anionic surfactants	<5%

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)

H290 May be corrosive to metals

H318 Causes serious eye damage

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

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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.