

# PRODUCT DATA SHEET

Application details and Health and Safety Data

Product Code: TK120

## Labtek Liquid

Laboratory detergent liquid

A free-rinsing liquid alkaline detergent with powerful wetting agent for use in cleaning laboratory instruments, glassware, ceramics and plastics. Typical deposits which can be removed include oil, grease, tar, silicone, inorganic matter, polyacrylate and pva resins, blood residues, proteins and a wide range of organic soils. This product is free rinsing and biodegradable. It is particularly suitable for use in ultrasonic cleaning.

### Directions for use

Use a 2-10% solution in hot water. The cleaning solution may be used at up to 60°C 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.

- MULTI-PURPOSE
- POWERFUL WETTING AGENT
- ULTRASONIC COMPATIBLE
- FREE RINSING

# CHIP 3 HEALTH AND SAFETY DATA SHEET

## Section 1 Identification of the substance/preparation and company

Product code TK120  
Name: Labtek Liquid  
Intended use: Laboratory detergent liquid  
Supplier: Teknon Products  
Bateman Street  
Derby  
  
DE23 8JL  
Phone: 01332 268524 Fax: 01332 295941  
Emergency outside office hours tel: 01332 292402  
Web: www.teknon.co.uk Email: info@teknon.co.uk  
Date of issue: 01 September 2003 Issue number 1  
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## Section 2 Composition/information on ingredients

Material	CAS number	Level	Hazards (see section 16)
Tetrasodium EDTA	64-2-8	10-25%	Xi R36/38
Anionic surfactant	8002-33-3	1-5%	Xi R36/38

## Section 3 Hazards identification (Undiluted product)

CHIP classification: This product is not classified as hazardous under CHIP regulations

Eye hazard: Will cause discomfort.

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

Respiratory hazard: Not a hazard in normal use.

Flammability hazard: Not combustible.

Other hazards:

## Section 4 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.

## Section 5 Fire fighting measures

Not applicable.

## Section 6 Accidental release measures

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

Large quantities, contain and absorb or pump into suitable containers for disposal.

## Section 7 Handling and storage

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

**Directions for use:** Use a 2-10% solution in hot water. The cleaning solution may be used at up to 60°C 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.

Shelf life: 24 months in good conditions

## Section 8 Exposure controls/personal protection

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 to BS EN 166 1F if splashing is likely.

**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.

Occupational exposure limit

## Section 9 Physical and chemical properties

**Appearance** Very pale yellow liquid.

**Odour:** Mild, characteristic.

**pH:** 10.5 1% in water (typical).

**Boiling point:** 100°C.

**Melting point:** Not applicable.

**Flash point:** Not applicable.

**Auto-ignition temperature:** Not applicable.

**Explosive properties:** Not applicable.

**Oxidising properties:** Not applicable.

**Vapour pressure** 17.5mm Hg at 20°C.

**Relative density at 20 C:** 1.100

**Solubility:** Miscible with water.

**Viscosity:** Free flowing.

## Section 10 Stability and reactivity

**Conditions to avoid:** Extremes of temperature.

**Materials to avoid:** Incompatible with strong oxidising agents and acids.

**Hazardous decomposition products** None known.

## Section 11 Toxicological information

Eye contact: Will cause discomfort.

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

Inhalation: Not a hazard in normal use.

Ingestion: Moderate toxicity, will cause irritation to gastro-intestinal tract.

Long term: Based on current knowledge, no long term effects are anticipated if used correctly.

## Section 12 Ecological information

Water based product. All organic ingredients are biodegradable when well diluted.

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

Volatile organic content:           0 % w/w                   0 g/l

## Section 13 Disposal considerations

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

Transport Classification: Not classified

UN number not classified      Transport class           Packing group:

## Section 15 Regulatory information

CHIP Classification This product is not classified as  
hazardous under CHIP regulations

Product risk and safety phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S2 Keep out of reach of children.

Relevant UK law: Chemicals (hazard information and packaging) Regulations (CHIP). Control of substances hazardous to health regulations (COSHH, COSHH essentials). For guidance see [www.hse.gov.uk](http://www.hse.gov.uk), [www.dti.gov.uk/chemicals](http://www.dti.gov.uk/chemicals).

## Section 16 Other information

R phrases relating to ingredients (see section 2)

R36/38 Irritating to eyes and skin.

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.