

# PRODUCT DATA SHEET

Application details and Health and Safety Data

Product Code: TK130

## Labtek Powder

Laboratory detergent powder

Powder form alkaline detergent with powerful wetting agent for use in cleaning laboratory instruments, glassware, ceramics and plastics. Deposits which can be removed include oil, grease, tar, silicones, inorganic matter, polyacrylate and pva resins, blood residues, proteins and a wide range of organic soils. Ideal for use in ultrasonic machines.

### Directions for use

Use a 5% solution in hot water with a contact time as required for the nature of the deposits to be removed. The cleaning solution may be used at 60°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.

- 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 TK130  
Name: Labtek Powder  
Intended use: Laboratory detergent powder  
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: 03 March 2008 Issue number 1  
Date of printing 17 March 2009 Revisions indicated by \*

## Section 2 Composition/information on ingredients

Material	CAS number	Level	Hazards (see section 16)
Ethylenediaminetetraacetic acid	60-00-4	10-25%	Xi R36 N R52/53
Sodium carbonate	497-19-8	5-15%	Xi R36
Disodium tetraborate decahydrate	1303-96-4	15-30%	OEL

## Section 3 Hazards identification (Undiluted product)

CHIP classification: Irritant

Eye hazard: Will cause irritation.

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

Respiratory hazard: Not a hazard in normal use. Breathing dust may cause irritation of the respiratory tract.

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 immediately.

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

Sweep up for re-use or disposal as solid waste.

Avoid creating dust.

## 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 5% solution in hot water with a contact time as required for the nature of the deposits to be removed. The cleaning solution may be used at 60°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.

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 chemical splash goggles to BS EN 166 34B

**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 a hazard in normal use. 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.

Occupational exposure limit

Sodium carbonate (dust)

5mg/m<sup>3</sup>

OES 8 hour TWA

Disodium tetraborate decahydrate (dust)

5mg/m<sup>3</sup>

OES 8 hour TWA

## Section 9 Physical and chemical properties

**Appearance** White, non-uniform powder.

**Odour:** Characteristic, mild.

**pH:** 9.5 1% in water (typical).

**Boiling point:** Not applicable.

**Melting point:** Not applicable.

**Flash point:** Not applicable.

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

**Explosive properties:** Not applicable.

**Oxidising properties:** Not applicable.

**Vapour pressure:** Not applicable.

**Relative density at 20 C:** N/a

**Solubility:** Soluble in water.

**Viscosity:** Powder.

## 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 irritation.

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

Inhalation: Not a hazard in normal use. Breathing dust may cause irritation of the respiratory tract.

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

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

Volatile organic content: 0 % w/w #Error 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.

## Section 14 Transport information

Transport Classification: Not classified

UN number not classified Transport class Packing group:

## Section 15 Regulatory information

CHIP Classification Irritant



Irritant

Product risk and safety phrases

R36 Irritating to eyes.

S23 Do not breathe dust.

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 Irritating to eyes.

R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

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.