

PRODUCT DATA SHEET

Application details and Health and Safety Data

Product Code: TK310

Teknorinse

Rinse aid

Acidic rinse neutraliser for use in laboratory, medical and industrial automatic washing machines. This product enables water to drain evenly from items being washed so that rapid drying and a clear finish are achieved. Teknorinse is formulated to operate in hard and soft water and helps to resist scale build-up in rinse jets and pipes.

Directions for use

Teknorinse is normally dosed automatically into the rinse water at around 300ppm. Adjust the feed to give optimum results for the water conditions and the surfaces being cleaned. The minimum working temperature is 60°C but temperatures of 80°C or above are recommended for best results.

Please refer to product safety data sheet before use. Use only as directed.

- RINSE NEUTRALISER
- SCALE CONTROL
- LOW FOAM

CHIP 3 HEALTH AND SAFETY DATA SHEET

Section 1 Identification of the substance/preparation and company

Product code TK310
Name: Teknorinse
Intended use: Rinse aid
Supplier: Teknon Products
Bateman Street
Derby

DE23 8JL

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Section 2 Composition/information on ingredients

Material	CAS number	Level	Hazards (see section 16)
Propan-2-ol	67-63-0	1-5%	F R11 Xi R36 R67
Nonionic surfactant	69227-21-0	5-15%	N R50

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, strong oxidising agents and sources of ignition. Store upright in original containers.

Directions for use: Teknorinse is normally dosed automatically into the rinse water at around 300ppm. Adjust the feed to give optimum results for the water conditions and the surfaces being cleaned.

The minimum working temperature is 60°C but temperatures of 80°C or above are recommended for best results.

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

Propan-2-ol

400ppm

OES 8 hour TWA

Section 9 Physical and chemical properties

Appearance: Green liquid

Odour: Characteristic, mild.

pH: 4.4 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: 1.006

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.

Volatile organic content: 4 % w/w 40.24 g/lit

Section 13 Disposal considerations

Process effluent can normally be discharged to foul sewer (subject to consent limits).

Small quantities of product can be diluted to 1% with water and processed in a biological treatment plant.

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 This product is not classified as hazardous under CHIP regulations

Product risk and safety phrases

S24/25 Avoid contact with skin and eyes.

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, www.dti.gov.uk/chemicals.

Section 16 Other information

R phrases relating to ingredients (see section 2)

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

R50 Very toxic to aquatic organisms.

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.