

PRODUCT DATA SHEET

Application details and Health and Safety Data

Product Code: TK110

Microcleanse

Ultra low residue detergent

Ultra low residue detergent for micro-electronics, semiconductor and precision engineering industries.

This detergent quickly disperses organic matter, particulates and chemical deposits. It is particularly suitable for use in ultrasonic or spray cleaning machines.

Directions for use

Use a 2.5% solution in warm water and immerse for a few minutes using ultrasonic or mechanical agitation. Rinse immediately with clean water. Temperature and concentration may be increased if appropriate to deal with more severe cleaning tasks.

Rinse cleaned items in water and sterilise where necessary.

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

- ULTRA-LOW RESIDUE
- NON-FOAMING
- ULTRASONIC COMPATIBLE
- SOLVENT FREE
- NON-CAUSTIC

CHIP 3 HEALTH AND SAFETY DATA SHEET

Section 1 Identification of the substance/preparation and company

Product code TK110
Name: Microcleanse
Intended use: Ultra low residue detergent
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) |
|--------------------------|------------|--------|--------------------------|
| Sodium nitrilotriacetate | 5064-31-3 | 15-30% | Xn R22 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. Breathing spray mist may cause irritation.

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: 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.

Section 5 Fire fighting measures

Not applicable.

Section 6 Accidental release measures

Small quantities, mop up or use an inert absorbent.

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 2.5% solution in warm water and immerse for a few minutes using ultrasonic or mechanical agitation. Rinse immediately with clean water. Temperature and concentration may be increased if appropriate to deal with more severe cleaning tasks.
Rinse cleaned items in water and sterilise where necessary.
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: Use in a well ventilated area.

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

None set

Section 9 Physical and chemical properties

Appearance Pale yellow liquid

Odour: Characteristic

pH: 11 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: 1.132

Solubility: Miscible with water.

Viscosity: Free flowing.

Section 10 Stability and reactivity

Conditions to avoid: Extremes of temperature.

Materials to avoid: Incompatible with oxidising agents, acids and alkali sensitive metals such as aluminium.

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. Breathing spray mist may cause irritation.

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/lit

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

S24/25 Avoid contact with skin and eyes.

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, www.dti.gov.uk/chemicals.

Section 16 Other information

R phrases relating to ingredients (see section 2)

R36/38 Irritating to eyes and skin.

R22 Harmful if swallowed.

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.