

PRODUCT DATA SHEET

Application details and Health and Safety Data

Product Code: TK420

Solvetek Safe

Solvent cleaner/degreaser

Low toxicity, low flammability solvent degreaser for precision cleaning. This product is effective in removing oil, grease and particulate soils from a wide variety of substrates. Solvetek Safe is ideal for use on isolated electrical equipment, ferrous and non-ferrous metals, most plastics and painted surfaces.

Directions for use

Solvetek Safe may be applied by brush, low pressure spray or immersion. Dip tanks may be ultrasonically agitated. Cleaned components should be allowed to drain well to minimise drying time. Test painted surfaces, rubbers and plastics for compatibility before use. Please refer to product safety data sheet before use. Use only as directed.

- LOW ODOUR
- LOW FLAMMABILITY
- ULTRASONIC COMPATIBLE
- LOW RESIDUE

CHIP 3 HEALTH AND SAFETY DATA SHEET

Section 1 Identification of the substance/preparation and company

Product code TK420
Name: Solvetek Safe
Intended use: Solvent cleaner/degreaser
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)
Hydrocarbon solvent	64741-65-7	100%	Xn R65 R66

Section 3 Hazards identification (Undiluted product)

CHIP classification: Harmful

Eye hazard: Will cause discomfort.

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

Respiratory hazard: Excessive exposure may cause irritation of the respiratory tract, headache, dizziness and nausea.

Flammability hazard: Not classified as flammable but will support combustion.

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 soap and water. Seek medical attention if irritation persists.

Inhalation: In case of overexposure, remove to fresh air, keep warm and at rest, seek medical assistance immediately.

Ingestion: Do not induce vomiting. Seek medical assistance immediately.

Section 5 Fire fighting measures

Use foam, dry powder or carbon dioxide.

Section 6 Accidental release measures

Absorb using sand or other inert material and transfer to 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.

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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 nitrile or neoprene 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. Avoid breathing vapour or spray. Wear a respirator 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

Hydrocarbon solvent

1000 mg/m³

OES 8 hour TWA

Section 9 Physical and chemical properties

Appearance Colourless liquid

Odour: Mild, characteristic solvent.

pH: Not applicable.

Boiling point: 175°C.

Melting point: Not applicable.

Flash point: 56°C minimum.

Auto-ignition temperature: >200°C.

Explosive properties: Not applicable.

Oxidising properties: Not applicable.

Vapour pressure: 0.5kPa at 38°C.

Relative density at 20 C: 0.763

Solubility: Immiscible 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 May produce toxic fumes in fire.

Section 11 Toxicological information

Eye contact: Will cause discomfort.

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

Inhalation: Excessive exposure may cause irritation of the respiratory tract, headache, dizziness and nausea.

Ingestion: Moderate toxicity. Main danger is of lung damage by aspiration.

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 hydrocarbon content if released into water courses untreated.

Product will float on water and evaporate.

Product is expected to degrade slowly.

Volatile organic content: 100 % w/w 763 g/lit

Section 13 Disposal considerations

Dispose of surplus product and packaging via a licenced 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 Harmful



Harmful

Product risk and safety phrases

R65 Harmful, may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R53 May cause long term effects in the aquatic environment.

S51 Use only in well ventilated areas.

S23 Do not breathe vapour/spray.

S62 If swallowed do not induce vomiting. Seek medical advice and show this container or label.

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)

R65 Harmful, may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

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.