

**SECTION 1: Identification of the substance/mixture and company****1.1. Product Identifier**

Product code: D2PS22

Name: Power Scrub 22

**1.2. Product Uses**

Citrus activated low foam detergent designed for use in floor scrubbing machines suitable for use on marble, terrazzo, thermoplastic, concrete and tiled floors.

**1.3. Supplier**

Technijet Ltd  
The Old Station Yard  
Kirkby Lonsdale  
Carnforth, Lancashire  
LA6 2HP  
Phone: 015242 73000  
Fax: 015242 72161  
Email: info@technijet.com  
www.technijet.com

**1.4. Emergency telephone number**

Emergency telephone number: 015242 73000

**SECTION 2: Hazards identification** (Undiluted product)**2.1. Classification of the mixture****According to 1272/2008**

Health Hazards: Eye Irrit. 2, Skin Irrit. 2

Physical Hazards: Not Classified

Environmental Hazards: Not Classified

**2.2. Label elements****According to 1272/2008**

Warning



H315 Causes skin irritation

H319 Causes serious eye irritation

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

**2.3. Other hazards**

### **SECTION 3: Composition/ information on ingredients**

<b>Material</b>	<b>CAS number</b>	<b>Level</b>	<b>Hazards (see section 16)</b>	
Anionic surfactant	1300-72-7	5-15%	Eye Irrit. 2	H319
Citrus Terpenes	68647-72-3	1-5%	Aquatic Chronic 1, Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2	H226 H304 H315 H410
Trisodium nitrilotriacetate	5064-31-3	1-5%	Carc. 2, Eye Irrit. 2, Met. Corr. 1	H319 H290 H351
Nonionic surfactant	68131-39-5	1-5%	Acute Tox. 4, Eye Dam. 1	H302 H318
Nonionic surfactant	106232-83-1	5-15%	Aquatic Acute 1, Eye Dam. 1	H318 H400

### **SECTION 4: First aid measures**

#### **4.1. Description of 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: Not applicable.
- Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

First aider PPE: As required to prevent contact. See section 8.2.

#### **4.2. Most important symptoms and effects, both acute and delayed**

- Eye hazard: Will cause irritation.
- Skin hazard: Prolonged or repeated contact may cause irritation/dryness.
- Respiratory hazard: Will cause irritation.
- Other hazards:

#### **4.3. Indication of any immediate medical attention and special treatment needed**

### **SECTION 5: Fire fighting measures**

Flammability hazard: Not combustible.

#### **5.1. Extinguishing media**

No special requirements. As appropriate for the fire.

#### **5.2. Special hazards arising from the mixture**

No specific hazards arising from the mixture.

#### **5.3. Advice for firefighters**

No special measures arising from the mixture.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8

Spillage may make floors slippery. Keep the area clear. Observe regulations.

#### **6.2. Environmental precautions**

Prevent spills from entering water courses.

#### **6.3. Methods and material for containment and cleaning up**

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

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

#### **6.4. Reference to other sections**

Observe the advice given in sections 8 and 13

## **SECTION 7: Handling and storage**

Shelf life: 24 months in original sealed containers.

### **7.1. Precautions for safe handling**

Do not mix with other products. Observe good industrial hygiene.

### **7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool, dry place protected from frost and away from acids and strong oxidising agents. Store upright in original containers. Recommended storage temperature 5-25°C.

### **7.3. Product Uses**

Use at a concentration of 1-5% for light soiling, 5-20% for heavy soiling. Please refer to product safety data sheet before use. Use only as directed.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

Workplace exposure limits

Citrus terpenes	100ppm	WEL 8 hour TWA (UK)
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### **8.2. Exposure controls**

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 appropriate to the process according to BS EN 166.  
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: Not applicable.  
Other protection:

Personal protective equipment:



Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: Prevent mixture from entering water courses.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

Appearance: Yellow liquid

Odour: Citrus

pH (typical): 8.8      1% in water (typical).

Initial boiling point: 100°C.

Flash point: Not applicable.

Auto-ignition temp: Not applicable.

Viscosity: Free flowing.

Explosive properties: Not applicable.

Oxidising properties: Not applicable.

Vapour pressure: 17.5mm Hg at 20°C.

Solubility: Miscible with water.

Relative density at 20° C (typical): 1.039

### **9.2. Other information**

## **SECTION 10: Stability and reactivity**

- 10.1. Reactivity** Incompatible with strong oxidising agents and acids.
- 10.2. Chemical stability** Stable under recommended storage conditions.
- 10.3. Possibility of hazardous reactions** No hazardous reactions are expected to occur.
- 10.4. Conditions to avoid** Extremes of temperature.
- 10.5. Incompatible materials** Incompatible with strong oxidising agents and acids.
- 10.6. Hazardous decomposition products** None known.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

- Acute toxicity: Based on available data, the classification criteria are not met.
- Skin corrosion/ irritation: Mixture is classified as Skin irrit. 2. See section 2.
- Serious eye damage/ irritation: Mixture is classified as Eye Irrit. 2. See section 2.
- Respiratory or skin sensitisation: Does not contain any ingredients classified as sensitising.
- Germ cell mutagenicity: Does not contain any ingredients classified as mutagenic.
- Carcinogenicity: Contains an ingredient classified as Carc. 2. Section 3. Mixture is not classified as Carc. 2.
- Reproductive toxicity: Does not contain any ingredients classified as toxic for reproduction.
- STOT single exposure: Does not contain any ingredients classified as STOT SE.
- STOT repeated exposure: Does not contain any ingredients classified as STOT RE.
- Aspiration toxicity: Based on available data, the classification criteria are not met.

### **Routes of exposure/ symptoms**

- Eye contact: Will cause irritation.
- Skin contact: Will cause irritation.
- Inhalation: Not a hazard in normal use.
- Ingestion: Moderate toxicity, will cause irritation to gastro-intestinal tract.

## **SECTION 12: Ecological information**

- 12.1. Toxicity** Not classified as dangerous for the environment/ aquatic toxicant
- 12.2. Persistence and degradability** All organic ingredients are biodegradable when well diluted. Surfactants used comply with biodegradation criteria, see section 15.1.
- 12.3. Bioaccumulative potential** Not expected to bioaccumulate
- 12.4. Mobility in soil** This product has high water solubility
- 12.5. Results of PBT and vPvB assessment** Contains no ingredients classified as PBT or vPvB.
- 12.6. Other adverse effects** No other adverse effects are anticipated.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

- Process effluent can normally be discharged to foul sewer (subject to consent limits).
- Dispose of surplus product and packaging via a licenced chemical waste contractor.

## **SECTION 14: Transport information**

- 14.1. UN number** not classified      **14.2. UN proper shipping name** N/a
- 14.3. Transport hazard class(es)** N/a      **14.4. Packing group** Na
- 14.5. Environmental hazards** Not classified as environmentally hazardous for transport
- 14.6. Special precautions for user** No specific precautions.
- 14.7. Transport in bulk according to Annex II of MARPOL 7 3/78 and the IBC Code** Not available for bulk transport.

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/ legislation specific for the substance or mixture**

Contents according to (EC) regulation No.648/2004 on detergents:

Anionic surfactants	5-15%	Perfume
Nonionic surfactants	5-15%	
NTA and salts thereof	<5%	

The surfactant(s) contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No 648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them at their direct request.

**15.2. Chemical safety assessment**     A chemical safety assessment has not been carried out.

## **SECTION 16: Other information**

Hazard statements relating to ingredients (see section 3)

H319 Causes serious eye irritation

H226 Flammable liquid and vapour

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H410 Very toxic to aquatic life with long lasting effects

H290 May be corrosive to metals

H351 Suspected of causing cancer

H302 Harmful if swallowed

H318 Causes serious eye damage

H400 Very toxic to aquatic life

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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.

