

PRODUCT SAFETY DATA SHEET

1. IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: **Descaler**
Supplier: Travena Ltd, 5a Chester Court, Chester Park, Alfreton Road, Derby DE21 4AB
Telephone: 0845 2579123 Fax: 0871 7890112
Email: Josef@travena.co.uk

2. INFORMATION ON INGREDIENTS

Product Description: An acidic cleaner and descaler based on a liquid blend of surfactants and phosphoric acid. Safe to use on stainless steel surfaces. Ideal for descaling heating boiler elements, dishwasher machines, showerheads, catering equipment, toilet urinals and unblocking drains.

Ingredient Name:	% w.w (range)	Health Risk (class)	(Nature of Hazard)
Phosphoric Acid	15 - 30	Xi (R36/38)	Irritant
Non-ionic surfactants	5 - 15	Xi (R22)	Irritant

3. HAZARDS IDENTIFICATION

Classified as IRRITANT

4. FIRST AID MEASURES

Eyes: Promptly wash eyes with plenty of water while lifting eye lids. Continue to rinse for at least 15 minutes and seek medical attention.
Skin: Remove contaminated clothing. Wash contaminated skin with soap and water. If irritation persists seek medical advice.
Ingestion: Do not induce vomiting. Get prompt medical attention. Let victim drink milk or water. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUID.
Inhalation: If spray or mist is inhaled remove to fresh air and seek medical advice if feeling unwell.

5. FIRE FIGHTING MEASURES

Extinguishing media: Non-flammable. Use water, CO₂, foam or dry powder extinguishers as appropriate.
Usual Fire and Explosion Hazards: Wear protective suits and breathing apparatus.
Hazardous Decomposition: Thermal decomposition produces harmful oxides of carbon and phosphorus. Contact with light alloys liberates hydrogen gas.

6. ACCIDENTIAL RELEASE MEASURES

Prevent entry into surface water drains, water courses and contact with vegetation. Dispose of in accordance with Local Authority Regulations.
Small Spillages: Dilute with plenty of water and flush to foul sewer. Can be neutralised with soda ash or lime/soda ash. Shovel residues into plastic (polythene) containers and dispose of via licensed hauliers/waste disposal contractors.
Large Spillages: Contain with dry sand or earth. Recover for re-use or salvage as much as possible. Neutralise balance and treat as small spillage.

7. HANDLING RELEASE MEASURES

Usage Precautions: Avoid skin and eye contact. Wear appropriate protective clothing. Do not inhale vapours.
Storage Precautions: Store between 0 - 30 Deg C. Keep away from incompatible materials e.g. bleach and strong alkalis.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Ventilation: Ensure adequate ventilation. Do not spray or mist in confined areas.
 Eye Protection: Wear splash-proof eye goggles to prevent any possibility of eye contact.
 Protective Gloves: Wear acid resistant gloves.
 Other Protection: Provide eyewash station. Wear appropriate clothing to prevent any possibility of skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Colour:	Clear
Odour:	Acidic	Solubility:	Completely soluble
Specific Gravity:	1.20 @ 20 Deg C	Flash Point:	Non-Flammable
pH: (Neat)	2		

10. STABILITY AND REACTIVITY

Stability: Stable as supplied. Do not mix with strong alkalies, bleach or oxidising substances. The action of acid on certain metals (e.g. iron or aluminium) can liberate hydrogen (explosive). Can react with sulphides, phosphides, cyanides, acetylides, fluorides, silicides and carbides to form flammable poisonous gases.

11. TOXOLOGICAL INFORMATION

Health Systems:
 Eye contact: Irritation followed by redness and watering. Can cause corneal damage.
 Skin contact: Irritation and redness.
 Ingestion: Irritation of mouth and throat and digestive system.
 Inhalation: Irritation to mouth, throat and lungs. Aspiration during swallowing or vomiting may cause damage to lungs.

12. ECOLOGICAL INFORMATION

Do not allow to contaminate surface waterways and drains. All surfactants are fully biodegradable. Toxic (pH effects) to aquatic life. Small amounts may act as a plant nutrient.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Do not allow to contaminate surface waterways and drains. Do not mix with other waste materials. Use only licensed hauliers and waste disposal contractors. Dispose of in accordance with Local Regulations.

14. TRANSPORT INFORMATION

U N No:	1760	ADR Hazard Class:	Irritant
ADR Hazard No:	8	Packaging Group:	111

15. REGULATORY INFORMATION

Label for supply: Irritant under CHIP Regulations
 Risk Phases: R36/38 Irritating to eyes and skin.
 Safety Phases: S26. In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

USER NOTES: This data sheet is prepared in accordance with Directive 88/379/EEC. To the best of our Knowledge this MSDS covers the requirements of the U.K. (H&SE), U.S.A. (OSHA) and Canada (WHMIS) Regulations.

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