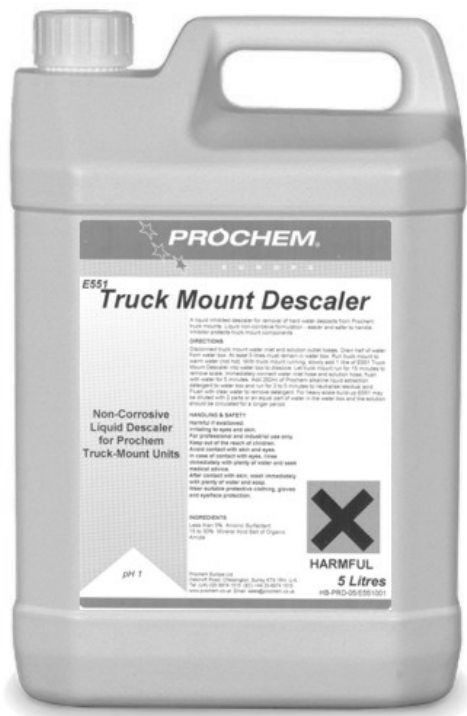




Product Specification &

SAFETY DATA SHEET

CHIP / EC FORMAT (EC) 1907/2006



E551 TRUCK MOUNT DESCALER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: TRUCK MOUNT DESCALER **Product Code:** E551
Manufacturer: Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No (office hours 8am to 5pm, Monday to Friday only): 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S
 Website: www.prochem.co.uk Email: sales@prochem.co.uk
Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the **UK National Poisons Information Service**, where our full product details are held.

Product Description & Directions For Use:

A liquid inhibited descaler for removal of hard water deposits from Prochem truck mounts. Liquid non-corrosive formulation – easier and safer to handle. Inhibitor protects truck mount components.
 Disconnect truck mount water inlet and solution outlet hoses. Drain half of water from water box. At least 3 litres must remain in water box. Run truck mount to warm water (not hot). With truck mount running, slowly add 1 litre of Truck Mount Descaler into water box to dissolve. Let truck mount run for 15 minutes to remove scale. Immediately connect water inlet hose and solution hose, flush with water for 5 minutes. Add 250ml of D488 Powerclean to water box and run for 2 to 5 minutes to neutralise residual acid. Flush with clear water to remove detergent. For heavy scale build-up Truck Mount Descaler may be diluted with 2 parts or an equal part of water in the water box and the solution should be circulated for a longer period.

SECTION 2: HAZARDS IDENTIFICATION

Classification: Harmful if swallowed. Irritating to eyes and skin.
Eye Contact: Contact with concentrate may cause irritation to eyes.
Skin Contact: Prolonged or repeated contact with concentrate may cause moderate skin irritation.
Inhalation: Inhalation may cause respiratory irritation.
Ingestion: Ingestion may produce nausea, irritation and possible systemic effects.
Environment: Raw materials are biodegradable. See Ecological Information for further details.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Mineral acid salt of organic amide	Xn R22 R36/38	208-059-6	506-89-8	15 to 30%

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush immediately with water for 15 minutes holding eyelids apart, then seek medical attention.
Skin Contact: Flush skin with plenty of water. Seek medical attention if any skin irritation persists.
Inhalation: Get fresh air and seek medical attention if breathing irritation persists.
Ingestion: If swallowed, wash out mouth with water. **DO NOT INDUCE VOMITING** unless directed to do so by medical personnel. If injured party is conscious, give them water to drink. Seek medical advice immediately and show the container or label.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Product is not flammable. Use water, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.
Fire/Explosion Hazards: No explosion hazard.
Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, hydrogen gas, water and other unidentified thermal decomposition products from this product or its packaging.
Special Protective Equipment: Self contained breathing apparatus for large amounts involved in fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear protective clothing, nitrile butyl rubber gloves and chemical splash goggles.
Containment and Disposal: Absorb with sand, sawdust or dry powder and transfer to suitable labelled containers for disposal at a legal waste disposal site. Undiluted material should not be allowed to enter sewers of water courses.

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Wear nitrile butyl rubber gloves and safety glasses when handling concentrate. Use in a well ventilated area; do not breathe fumes.
Storage Precautions: Avoid metals. Avoid extremes of temperature. Keep out of the reach of children. Keep in original container.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Occupational exposure limits not assigned by HSE EH40 or ACGIH.
Environmental Controls: For additional guidance, contact ENVIROWISE at www.envirowise.gov.uk or telephone 0800 585794
Eye Protection: Side shield safety glasses or goggles are recommended when handling.

Protective Clothing: Standard work clothing and nitrile butyl rubber gloves. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Respiratory Protection: For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray, a suitable fine particle dust mask is recommended.

Ventilation: Normal air circulation. Allow adequate ventilation in enclosed areas.

Hygiene: Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Colour/State: Liquid.

Odour: Odourless.

pH Concentrate: 1.0 **pH Diluted:** 1.0

Boiling Point / Range °C:

Flash Point °C: None. **Method:** Not applicable.

Flammability Limit %: Not applicable.

Explosive Properties: Not applicable.

Oxidising Properties: Not applicable.

Vapour Pressure: Not determined

Relative Density (Water = 1): 1.02 **Solubility:** Not determined

Partition Coefficient (N-octanol / Water): Not determined

Viscosity: Not determined

Vapour Density: Not determined

Evaporation Rate: Not determined

% Active: 20.5

% Solids: 15

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extremes of temperature.

Incompatibility (Materials to Avoid): Contact with metals when not in use.

Hazardous Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, hydrogen gas and other unidentified thermal decomposition products from this product or its packaging.

SECTION 11: TOXICOLOGICAL INFORMATION

Eye Contact: Contact with concentrate may cause irritation.

Skin Contact: Prolonged or repeated contact may cause irritation.

Inhalation: Possible respiratory irritation if inhaled. May cause damage to tissues of the mucus membranes and upper respiratory tract.

Ingestion: Product is strongly acidic and may be corrosive to mucus membranes. Possible systemic effects.

Acute and Chronic Effects:

Acute Toxicity: LD50 1121 mg/kg (oral-rat) (mineral acid salt of organic amide)

Corrosivity / Irritation: Skin, eye and respiratory

Sensitisation: None Known

Repeated Dose Toxicity: Not established

Mutagenicity: None

Carcinogenicity: None

Teratogenicity: None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: None.

Mobility: Soluble in water

Persistence and Degradability: The raw material ingredients in this product are biodegradable within the scope of current EC legislation. The surfactant(s) contained in this preparation comply with the biodegradability criteria as 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 or at the request of a detergent manufacturer.

The major packaging materials of polyethylene and fibreboard are recyclable.

Bioaccumulative Potential: None.

Other Effects: None known or no relevant data available for substances in this preparation.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste cleaning effluent should be disposed of in accordance with regional and national requirements.

Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

Contact local Environment Agency office for waste holder requirements.

SECTION 14: TRANSPORT INFORMATION

UN No: 1760

Classification: Corrosive

Proper Shipping Name: Corrosive Liquid, N.O.S. (Urea dihydrochloride solution)

Packing Group: III

Road (ADR): Class 8

Sea (IMDG): Class 8

Air (ICAO / IATA): Class 8

Rail (RID): Class 8

SECTION 15: REGULATORY INFORMATION

Classification: Xn HARMFUL

Risk Phrases

R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

Safety Phrases

S2 Keep out of the reach of children.

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.

S28 After contact with skin, wash immediately with plenty of soap and water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 4) 2009** (as amended), the **REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) REGULATIONS** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 2002** (as amended), **REGULATION (EC) NO. 648/2004 ON DETERGENTS** (as amended) and the **MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1999** (as amended). This safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety regulations.

SECTION 16: OTHER INFORMATION

Risk Phrases: R22 Harmful if swallowed. R36 Irritating to eyes.

R38 Irritating to skin.

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.

Revisions: Replaces SDS E551 Issue / Revision Date 19/06/08
Revised Sections: 1, 15.