

**E551****TRUCK MOUNT DESCALER****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product Identifier:** TRUCK MOUNT DESCALER **Product Code:** E551**1.2. Relevant identified uses of the substance or mixture and uses advised against:**

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.

1.3. Details of the supplier of the safety data sheet:

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

1.4. Emergency telephone number:

020 8974 1515 (UK) +44 20 8974 1515 (office hours 8am to 5pm, Monday to Friday only).

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.

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture:**

CLASSIFICATION (1999/45/EC): Xn R22 R38 R41.

Most important adverse effects:

Eye Contact: Contact with concentrate may cause severe 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.

2.2. Label elements:**HARMFUL**

R22 Harmful if swallowed.

R38 Irritating to skin

R41 Risk of serious damage to eyes.

For professional and industrial use only.

Keep out of the reach of children.

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

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

2.3. Other hazards:

See section 8 for details of exposure limits.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.2. Mixtures:**

SUBSTANCE	RISK (See Section 16)	H Statements (see Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Mineral acid salt of organic amide	Xn R22 R38 R41	Not currently available	208-059-6	506-89-8	15 to 30%

SECTION 4: FIRST AID MEASURES**4.1. Description of 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.

4.2. Most important symptoms and effects, both acute and delayed:

Contact with concentrate may cause severe eye irritation.

Ingestion may cause nausea and possible systemic effects.

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

Seek immediate medical attention in the event of contact with eyes or if swallowed.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing Media:

Product is not flammable. Use water, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.

5.2. Special hazards arising from the substance or mixture:

No explosion hazard. Exposure to fire may liberate carbon dioxide, carbon monoxide, hydrogen gas, water and other unidentified thermal decomposition products from this product or its packaging.

5.3. Advice for firefighters:

Self contained breathing apparatus for large amounts involved in fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective clothing as described in section 8 of this sds.

6.2. Environmental precautions:

Raw materials are biodegradable and product is not classified as harmful to the environment.

6.3. Methods and material for containment and cleaning up:

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.

6.4. Reference to other sections:

See sections 8 and 13 for further information.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Wear nitrile rubber gloves and safety glasses when handling concentrate. Use in a well ventilated area; do not breathe fumes. Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities:

Avoid metals. Avoid extremes of temperature. Keep out of the reach of children. Keep in original container.

7.3. Specific end use(s):

A liquid inhibited descaler for removal of hard water deposits from Prochem truck mounts.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters:

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

8.2. Exposure controls:

Eye/Face Protection: Side shield safety glasses or goggles are recommended when handling.

Skin Protection: Standard work clothing and nitrile 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance: Clear liquid with light yellow tint

Odour: Odourless

Odour Threshold: Not determined

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

Melting point/freezing point °C: Not determined

Initial boiling point and boiling range °C: 100

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

Evaporation Rate: Not determined

Flammability (solid, gas): Not flammable

Upper/lower flammability or explosive limits: Not applicable

Vapour Pressure: Not determined

Vapour Density: Not determined

Relative Density (Water = 1): 1.02

Solubility(ies): Not determined

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

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

Explosive Properties: Not applicable

Oxidising Properties: Not applicable

% Active: 20.5

% Solids: 15

9.2. Other Information:

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Stable under normal conditions.

10.2. Chemical stability:

Stable

10.3. Possibility of hazardous reactions:

Not determined.

10.4. Conditions to Avoid:

Extremes of temperature.

10.5. Incompatible materials:

Avoid contact with metals when not in use. Oxidising agents.

10.6. 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

11.1. Information on toxicological effects:

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

Ingestion may cause possible systemic effects.

Irritation:

Contact with concentrate may cause severe eye irritation.

Prolonged or repeated contact with skin may cause irritation.

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

Corrosivity: Product is strongly acidic and may be corrosive to mucus membranes if ingested.

Sensitisation: None Known

Repeated Dose Toxicity: Not established

Carcinogenicity: No effects expected based upon current data.

Mutagenicity: No effects expected based upon current data.

Toxicity for reproduction: No effects expected based upon current data.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

COD 3500mg/l (mineral acid salt of organic amide)

BOD5 500mg/l (mineral acid salt of organic amide)

BOD10 600mg/l (mineral acid salt of organic amide)

12.2. 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.

12.3. Bioaccumulative Potential:

None.

12.4. Mobility in soil:

Soluble in water

12.5. Results of PBT and vPvB assessment:

Report not required.

12.6. Other adverse effects:

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

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

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

14.1. UN number: 1760

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

14.3. Transport hazard class(es):

Road (ADR): Class 8

Sea (IMDG): Class 8

Rail (RID): Class 8

14.4. Packing Group: III

14.5. Environmental hazards: None

14.6. Special precautions for user: No special precautions required other than those previously mentioned in this safety data sheet.

14.7. Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code:

Not intended to be carried as bulk.

SECTION 15: REGULATORY INFORMATION

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

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 4) 2009** (as amended), **REGULATION (EC) No 1272/2008 on CLASSIFICATION, LABELLING and PACKAGING of substances and mixtures**, 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.

15.2. Chemical safety assessment

Not currently available.

SECTION 16: OTHER INFORMATION

Full text of Risk phrases referred to in Section 2 and 3:

R22 Harmful if swallowed. R38 Irritating to skin. R41 Risk of serious damage to eyes.

Full text of Hazard Statements referred to in Section 2 and 3:

Not applicable.

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 27/01/10

Revised Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.