

DESCALER SAFETY DATA SHEET



1. IDENTIFICATION OF PREPARATION AND OF THE COMPANY

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Product Name: **DESCALER**

2. COMPOSITION/INFORMATION ON INGREDIENTS*

	Range	CAS	EINECS	Class	R-Phrases
But-2-yne-1,4-diol	<1%	110-65-6	203-788-6	C T	21 23/25 34 43 48/22
Alcohol ethoxylate propoxylate	<5%			N	51/53
Phosphoric Acid	30-50%	7664-38-2	231-633-2	C	34

3. HAZARD IDENTIFICATION

Adamatic Descaler is classified as Corrosive. Contains an ingredient (Phosphoric Acid) with an OES published in EH40 (See section 8)

4. FIRST AID MEASURES

Eyes: Rinse immediately with copious amounts of water for at least 15 minutes, holding the eyelids open. Obtain immediate medical advice.

Skin: Flush contaminated area with running water for 10 minutes, remove any contaminated clothing and launder before re-use. If irritation persists or there is any sign of skin damage seek medical advice immediately.

Swallowing: If conscious, remove product from mouth, give casualty a small quantity of water or milk to drink and seek medical advice. Do not induce vomiting

Inhalation: Remove from source of exposure. Seek medical advice if symptoms persist. Exposure by inhalation in unlikely in normal use.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishers appropriate to surrounding fire

HAZARDOUS COMBUSTION PRODUCTS: None Known

PROTECTION OF FIREFIGHTERS: Wear self-contained breathing apparatus

Product is Non-Flammable

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTIONS: For personal protection see Section 8

ENVIRONMENTAL PRECAUTIONS: For large spills contain and absorb with dry sand or similar material and dispose of using a licensed waste disposal contractor. Hose the ground (or very small spillages) with water to dilute the material to 1% and flush to waste water drain (foul sewer). Avoid contamination of water courses or vegetation

7. HANDLING AND STORAGE:

Acidic liquid. Store away from alkalis and bleach. Avoid contact with skin and eyes. Wear eye protection, gloves and protective clothing if splashing or spillage is likely. Rinse and dry hands after use. Store containers upright and sealed in the original container. Do not mix with any other chemicals.

8. EXPOSURE CONTROLS:

Ingredient Name	CAS No.	STD	WEL (8 hrs)	WEL (15 min)
Orthophosphoric Acid	7664-38-2	EH40	1 mgm ⁻³	2 mgm ⁻³ (Skin Contact)
Ingredient Comments				
RESPIRATORY PROTECTION	Not required in normal use. Contact RP Adam Ltd if own risk assessment indicates a requirement.			
HAND PROTECTION	Wear rubber gloves resistant to detergents when using product.			
EYE/FACE PROTECTION	Wear safety goggles or visor when handling concentrated product			
SKIN PROTECTION	Wear waterproof, acid resistant apron or overalls if contact is likely.			

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9. PHYSICAL AND CHEMICAL PROPERTIES (NOT A SPECIFICATION)

APPEARANCE:	Clear straw liquid	SOLUBILITY:	Completely water soluble
ODOUR:	Characteristic perfume	pH (20⁰C):	1
BOILING POINT:	Above 100 ⁰ C	FLASH PT:	None to boiling point

10. STABILITY AND REACTIVITY

Presents no significant reactivity hazard, although contact with alkalis may cause an exothermic reaction. Do not allow to come into contact with bleach or chlorine compounds. Provided the product is stored in accordance with recommendations there are no known hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

In accordance with the conventional method of EEC Directive 88/379/EEC this product is not classified as Toxic or Harmful

ACUTE TOXICITY-INGESTION:	Relatively low toxicity. Contact will cause severe irritation to mouth and digestive tract and possible tissue damage
SKIN CONTACT:	Corrosive to body tissue. Causes burns
EYE CONTACT:	Classified as Corrosive. Tissue damage may occur, even after short exposure times.
INHALATION:	Not applicable in normal use. Low order of toxicity, but likely to cause severe irritation if mist or spray is inhaled.

12. ECOLOGICAL INFORMATION

Classification of the constituent ingredients and their individual concentrations in this product indicate that it is likely to be biodegradable and environmental problems under normal use conditions are not expected.

Any surfactant(s) contained in this preparation complies (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.

13. DISPOSAL:

Dispose of in accordance with all local and national regulations. For small quantities dilute with at least 100 parts of water and pour down waste water drain (foul sewer). Rinse out empty containers thoroughly and recycle if facilities exist or dispose of as commercial waste. For larger quantities contact a licensed waste contractor.

14. TRANSPORT INFORMATION **Classified as Corrosive**

CONVEYANCE LABEL:	8 Corrosive
CLASS NO.:	8
PACKING GROUP:	III
U.N. NO. –	1805

15. REGULATORY INFORMATION: **Classified as Corrosive**

Hazard Symbol:



C Corrosive

Risk Phrases:	R-34	Causes burns
Safety Phrases:	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S-45	In case of contact or if you feel unwell, seek medical advice immediately, show label where possible

16. OTHER INFORMATION

* Signifies that a significant alteration has been made in this section compared with the previous issue

Text of Risk Phrases associated with ingredients listed in Section 2

- R21 - Harmful in contact with skin
- R23/25 - Toxic by inhalation and if swallowed
- R43 - May cause sensitisation by skin contact
- R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed
- R34 - Causes Burns

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Refer to Technical Information Sheet for product use and applications. The contents of this MSDS apply to the normal use of our product and the recipient must take individual responsibility for observing existing laws and regulations eg COSHH and Risk Assessments.