

MATERIAL SAFETY DATA SHEET

According to 2001/58/EEC

01. PRODUCT AND COMPANY IDENTIFICATION



Atlantic Care Chemicals.

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IEM 090110/01

ECHO DELIME

Lime scale remover & metal brightener

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02. COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS	Weight %
Phosphoric acid	774 - 38 - 2	01 - 20 %
Citric acid	77 - 92 - 9	20 - 30 %
Lactic acid	598 - 82 - 3	20 - 30 %
R O Water	7732 - 18 - 5	20 - 50 %

03. HAZARDS IDENTIFICATION

Irritant to eyes and skin. Irritating to respiratory system

04. FIRST AID MEASURES

Inhalation	Non hazardous
Skin contact	Wash with water
Eye contact	Wash eyes immediately with large amounts of water. Get medical attention if irritation persists.
Ingestion	Rinse mouth thoroughly with water and drink water afterwards. Consult a doctor if necessary.

05. FIRE FIGHTING MEASURES

Extinguishing media	Use extinguishing media appropriate to surrounding fire
Specific hazard	Non flammable, it does not present any particular risk on the event of a fire. On heating, there is risk of a build-up of pressure in sealed containers.

06. ACCIDENTAL RELEASE MEASURES

Remove the spill with mechanical equipment and dispose of in accordance with section 13. Wash non-recoverable remainder with large amounts of water.

07. HANDLING AND STORAGE

No potential risk identified on handling.

STORAGE: Take all necessary measures to avoid accidental discharge of the products into drains and waterways due to the rupture of containers or transfer systems. Stable under normal storage conditions. Keep in the original container on a cool ventilated place. Container must be tightly closed after usage.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ensure good ventilation of the workstation.

Personal Protective equipment : Safety spectacles.

Emergency equipment : Safety shower, Eye fountain etc.

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Chemical nature	Acid
pH (1% Solution)	1.0 - 1.5
Specific gravity	1.17 - 1.18
Stability	Not stable with alkaline products

10. STABILITY AND REACTIVITY DATA

Stable under normal conditions of use. No dangerous reaction known under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Local effects : No potential risk identified

12. ECOLOGICAL INFORMATION

Biodegradable

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with safety regulations. Incinerate at a licensed installation

14. TRANSPORT INFORMATION

Land (ADR/RID)	Not Restricted
Sea (IMO/IMDG)	Not Restricted
Air (ICAO-IATA)	Restricted

15. REGULATORY INFORMATION

Mandatory labeling (self-classification) of hazardous substances applicable. Classification/Symbols:



IRRITANT (Xi)

R phrases: R36/38: Irritating to eyes and skin
R41 : Risk of serious damage to eyes
R43 : May cause sensitization by skin contact

S phrases: S23 : Do not breathe
S 26 : In case of contact with eyes, rinse with plenty of Water and seek medical advice
S 37 : Wear suitable gloves.
S 39 : Wear eye/ face protection

16. OTHER INFORMATION

Caution: For manufacturing, processing or repacking by trained personnel

The information contained in this document is true and reliable and is given in good faith based on our current knowledge. The customers may satisfy themselves (by appropriate testing if necessary) that the product is suitable for their purposes and conditions of use and ensure compliance with local legislation. Users are requested to check that they are in possession of the latest version of this document and we are at their disposal to supply any additional information.