



Material Safety Data Sheet (MSDS) – Smartseal Efflorescence Remover

Issued: 4/3/10

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: Efflorescence Remover

Company name: Smartseal UK Ltd, 14a Annwood Lodge Business Park, Rayleigh, Essex SS6 7UA

Tel: 01268 722500

Email: info:smartseal.co.uk

2. HAZARDS IDENTIFICATION

Main hazards: Prolonged exposure may result in irritation to eyes and skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Main Components:

Product	Cas Number
Hydrogen Chloride ≤10%	7647-01-1
Water	

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Drench the affected area with water. Remove contaminated clothing and wash before re-use. If irritation or pain continues seek medical advice.

Eye contact: Wash eyes immediately with clean water for at least 15 minutes and seek medical advice

Ingestion: Wash out mouth with water and give patient plenty of water to drink.

Inhalation: Remove from exposure, rest and keep warm. If recovery is not rapid, seek medical help

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5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media for the surrounding fire should be used.

Use water spray to cool containers.

Hazardous Combustion Products

In combustion emits toxic fumes.

Protection of fire-fighters:

Wear self-contained breathing apparatus.

Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear relevant PPE

Environmental precautions:

Do not allow undiluted material to enter into drains or rivers.

Clean-up procedures:

Bund spill area, dilute with water and neutralize with lime slurry or sodium carbonate. Flush away with plenty of water

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not breathe fumes

Storage conditions: Store in containers made of rubber lined mild steel, PVC or high density polyethylene. Keep away from products listed in section 10

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: 5 ppm (7mg/m³)

Respiratory protection: Type approved RPE for acidic vapours

Hand protection: Protective gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: PVC or rubber gloves, rubber boots and PVC overalls

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Pungent

Flash Point: N/A

Solubility in water: Completely miscible

Viscosity: Non-viscous

Relative density: ≤ 1.05 @ 15.5 deg C

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10. STABILITY AND REACTIVITY

Known hazardous reactions:

Attacks most common metals liberating hydrogen, which can form explosive mixtures with air.

Materials to avoid: Alkalis, concentrated sulphuric acid, oxidising agents, ammonia, amines.

Hazardous decomposition products: Hydrogen chloride

11. TOXICOLOGICAL INFORMATION

Short term effect:

Inhalation of large quantities of mist or vapour may cause irritation. Irritating to eyes, skin and mucous membranes. Repeated exposure may cause ulceration of septum and gums.

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water. Readily absorbed into soil.

Persistence and degradability: Neutralised slowly by natural alkalinity.

Bioaccumulative potential: Does not bio accumulate.

Other adverse effects: Fatal to fish and other aquatic organisms due to low PH

13. DISPOSAL CONSIDERATIONS

Dispose via an authorised waste disposal contractor to an approved waste disposal site, observing all regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

No special requirements for transportation by road, rail, sea or air.

15. REGULATORY INFORMATION

Classification: Irritant.

Risk phrases: No risk phrases stipulated

16. OTHER INFORMATION

If the material is redistributed for sale, details of its hazards and recommended methods for safe handling should be available to all sites and / or customers.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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