

COSHH SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Supplier:

SCALEMASTER®

D.A.W. Enterprises Ltd
Unit 6, Stone Business Park
Stone, Staffordshire ST15 0SR
Tel: 01785 811636

NON-ACID CLEANER

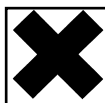
SM-3

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	(1) Nitrilotriacetic Acid	(2) Non ionic Surfactants
Conc.	5-15%	5-15%
EINECS No.	225-768-6	
CAS No.	5064-31-3	
Hazard	Xi - Irritant	
Risk Phrase:	R36/38 Irritating to eyes and skin.	

3. HAZARDS IDENTIFICATION

The product is classed as an irritant and can cause irritation to the eyes and skin.



4. FIRST AID MEASURES

EYES:	Immediately flush with eye wash solution or clean water for at least 10 minutes.
SKIN:	Wash the affected area with plenty of water.
INGESTION:	GET MEDICAL ATTENTION – Drink copious amounts of water or milk.
INHALATION:	Remove from exposure. GET MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Not combustible. Select fire extinguisher appropriate for surrounding fire.
SPECIAL HAZARDS:	None.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

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

ENVIRONMENTAL PRECAUTIONS:

No particular/specific measures required.

SPILLAGE TREATMENT:

Small spillage: Wash to drain with large amounts of water.

Large spillage: Mix with sand or earth and remove to suitable container for transfer to an approved chemical tip or alternatively flush to drain with copious quantities of water.

7. HANDLING AND STORAGE

HANDLING:	Trained personnel wearing suitable protective clothing. Avoid contact with skin or eyes.
STORAGE:	Store in secure chemical area at ambient temperature.
PACKAGING:	Supplied in 1 litre approved containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



GENERAL:	No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety. Avoid contact with eyes, skin or clothes.
PERSONAL PROTECTION:	The following personal protective equipment should be provided.
SKIN PROTECTION:	Wear appropriate protective clothing.
HAND PROTECTION:	Impervious gloves.
EYE PROTECTION:	Chemical safety goggles.
	All personal protective equipment must comply with EEC standards and be maintained to ensure suitability for use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear amber liquid
ODOUR:	None
RELATIVE DENSITY:	~ 1.200
WATER SOLUBILITY:	Readily miscible with water.

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal storage conditions.
CONDITIONS TO AVOID:	None in particular.
MATERIALS TO AVOID:	None.
DECOMPOSITION PRODUCTS:	No typical hazardous reactions or decomposition products known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Low order of acute toxicity.
EYES:	Can cause permanent eye damage.
SKIN:	Mildly aggressive to skin.
INGESTION:	If taken orally internal damage can result.
INHALATION:	None available.

12. ECOLOGICAL INFORMATION

MOBILITY:	Readily dissolves in water.
DEGRADABILITY:	98% biodegradable.
ACCUMULATION:	None known.
ECOTOXICITY:	Contains substances which can affect the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Wear appropriate protective clothing. Soak up with sand or earth and remove to suitable container for transfer to chemical tip. Alternatively flush to drain with copious quantities of water. Disposal should be in accordance with waste disposal or water authority regulations.

14. TRANSPORT INFORMATION

UN No:	Not classified
Hazard Class:	Not classified
Packaging Group:	Not classified

Only transport in original containers in upright position. Never remove containers from cardboard cartons before transporting. Unless containers are palletised never transport stacked more than two high.

15. REGULATORY INFORMATION

Chemicals (Hazard Information and Packaging for Supply) Regulations Classification: Xi Irritant

Risk Phrases:	R36/38 Irritating to skin and eyes.
Safety Phrases:	S2 Keep out of 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 water.
	S46 If swallowed seek medical advice immediately and show this container or label.

Use of this product may be governed by the following regulations:
Chemical Hazard Information and Packaging Regulations,
Carriage of Dangerous Goods by Road and Rail (C.P.L2) Regulations,
Control of Substances Hazardous to Health Regulations.

16. OTHER INFORMATION

This product is a non acid cleaner for new central heating systems. Removes installation foulants, flux, grease and suspended debris in water by flushing.

This product is registered with the National Poison Information Service. Medical staff can obtain additional health and safety information from this service by telephoning 0207 6359191.
New Cross Hospital, Avonley Road, London SE14 5ER.

The information given is based on our knowledge of the product at the time of publication. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended.

Issued No. SM-3/4

Date. 23.02.01

TECHNICAL INFORMATION

NON-ACID CLEANER SM-3

A non-acid cleaner for NEW central heating systems. Removes installation foulants, flux, grease and suspended debris in water by flushing.

TECHNICAL DATA

Scalemaster SM-3 cleaner is manufactured from modern biodegradable organic sequestering agents and synthetic detergents derived from glucoheptonates.

The product has virtually zero foam properties and therefore, is easily used by the customer. The use of mild alkaline caustic-free sequestering agents require the product to be classified as irritant under C.H.I.P. regulations.

Cleaning is brought about by the soils being lifted from the metal surface by the surfactant and then held in suspension by the organic sequestering agents till flushing to waste, in the water flow.

DOSE RATE

All bottles contain 1 litre. This is suitable for an average 10 radiator system holding 100 litres of water at a minimum dose of a 1% solution. Compatible with aluminium. No problems occur through over dosing or mixing SM products.

APPLICATION

For pre-commissioning of new central heating system. Dose via feed and expansion tank or via a radiator as per BS7593. Run system at normal heating cycle. Leaving system minimum 2 hours, maximum 2 weeks.

FLUSH OUT until water is clear to remove all contaminants.

PROTECTION

When refilling add SM-1 INHIBITOR to prevent scale corrosion, bacteria and LEAVE IN SYSTEM. See SM-1 Technical Information sheet for details.

D.A.W. Enterprises Limited trading as

