Date-Issued: 16-Nov-15
MSDS Ref. No:
Date-Revised: 18-10-13
Revision No: 1

MATERIAL SAFETY DATA SHEET

Tile Doctor Rust Away

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

1.1 Product identifier

This product is a concentrated surfactant blend containing Nonionic surfactants, ammonium salts and sequestering agents.

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Identified use(s)	The Intended use is in automotive, industrial and Institutional cleaning.
Uses advised against:	Please consult supplier prior to use for recommended dilution concentrations.

1.3 Details of the supplier of the safety data sheet
Company Identification:

Tile Doctor,
The Old Smithy
50f Market Street
Carnforth
Lancashire
LA5 9LB
Email: Info@TileDoctor.co.uk

1.4 Emergency telephone number
In an emergency dial 999 (UK Only) or 112 (EU)
For specialist advice in an emergency telephone 0845 652 4652

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Directive 67/548/EEC & Directive 1999/45/EC

Regulation (EC) No: 1272/2008 (CLP).

2.2 Label elements Hazard statement:	H315: Causes skin irritation H317: May cause allergic skin reaction. H319: Causes serious eye irritation. H335: May cause respiratory irritation.
Signal word(s)	**Danger**

Hazard pictorgram

Precautionary statement(s)
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/physician.

Additional Label requirements
None

2.3 Other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Hazardous ingredients(s)	% (w/w)	CAS No:	H Codes	GHS Classification
Ammonium mercaptoacetate	5.0 – 10.0	5421-46-5	314, 317, 335	Acute Tox. 3; Skin Corr. 1B; Skin Sens. 1; STOT SE 3;
Alcohols, C12-13-branched and linear	0.1 – 1.0	160901-19-9	318	Serious eye damage, Cat 1
β-Alanine, N-coco alkyl derivs., sodium salts	0.1 – 1.0	68608-68-4	H320	Eye irritation, Cat 2

4. FIRST AID MEASURES

INHALATION

Remove patient from exposure, keep warm and at rest. Administer oxygen if necessary

SKIN CONTACT

Remove contaminated clothing. Drench with large quantities of water. Continue to wash the affected area for at least 10 minutes.

EYE CONTACT

Immediately irrigate with eyewash solution or clean water, holding the eyelids apart for at least 15 minutes. Continue irrigation until medical attention can be obtained.

INGESTION

Do not induce vomiting. Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Causes severe damage to eyes and skin. May cause severe damage with formation of corneal ulcers and permanent impairment of vision. Mist is severely irritant to the respiratory tract. Effect may vary from irritation of the nasal mucous membrane to severe lung irritation. Will immediately cause corrosion of and damage to the gastrointestinal tract.

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

Speed is essential. Obtain immediate medical attention. Showers and eye washing equipment must be provided at handling points. Remove contaminated clothing and wash all affected areas with plenty of water. Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Extinguishing Media : Foam, CO2 or dry powder
Suitable extinguishing media As appropriate for surrounding fire

5.2 Special Hazards arising from the substance or mixture
Non combustible.

5.3 Advice for fire fighters
A self contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure suitable personal protection during removal of spillages.

6.2 Environmental precautions

Avoid release to the environment. Prevent liquid entering sewers, basements and any watercourses.

6.3 Methods and material for containment and cleaning up

Stop leak if safe to do so. Contain spillages.

Small spillages: Neutralise wherever possible. Wash the spillage area with water.
Large spillages: Contain spillages with sand, earth or any suitable adsorbent material. Remove and dispose of residues. Wash the spillage area with water. Water washing to drain of large amounts of caustic soda should only be carried out with the prior consent of the Environment Agency or other appropriate regulatory body.
Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

6.4 Reference to other sections
See Section: 8, 13

6.5 Additional information
Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environment Agency or other appropriate regulatory body.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Keep away from acids and chlorinated hydrocarbons.
Care should be taken when diluting solutions. Do not spray. Avoid generation of aerosols or mist.

7.2 Conditions for safe storage, including any incompatibilities

For small quantities - Keep container tightly closed.

7.3 Specific end use(s)

Not applicable

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection
Tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows potential for respiratory aids, then use as appropriate. It is not however envisaged that under normal conditions any respiratory aid will be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Red liquid.
Colour	Characteristic
Solubility (water)	Complete
Density gcm^{-3} (@20degC	1.04
pH	8.0

9.2 Other information

Refer to technical brochure.

10. STABILITY AND REACTIVITY

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - no data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitisation
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
no data available

Specific target organ toxicity - single exposure
no data available

Specific target organ toxicity - repeated exposure
no data available

Aspiration hazard
no data available

Additional Information
RTECS: Not available
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No reliable data available. Concentrations greater than 100ppm, especially in fresh water, or a pH value equal to or greater than 10.5 may be fatal to fish and other aquatic organisms. Can cause damage to aquatic plants. Can cause damage to vegetation.

12.2 Persistence and degradability
Highly soluble in water and has a low vapour pressure. It will be found predominantly in the aquatic

environment. It degrades readily by reaction with the natural carbon dioxide in the air.

12.3 Bioaccumulative potential
Does not bioaccumulate.

12.4 Mobility in soil
Becomes increasingly more mobile in soil with dilution.

12.5 Results of PBT and vPvB assessment
No data available on product or any of its components.

12.6 Other adverse effects
Concentrations sufficient to render effluent alkaline may cause damage to effluent treatment organisms.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Disposal should be in accordance with local, state or national legislation.
Do not empty into drains; dispose of this material and its container in a safe way.
Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

13.2 Additional information
Sludge waste containing mercury (see Storage) will require to be disposed of in an authorised treatment facility licensed under the Environmental Protection Act (EPA).

14. TRANSPORT INFORMATION

14.1 UN number
N.A.

14.2 UN proper shipping name
Not classified as hazardous for transport

14.3 Transport hazard class(es)
N.A.

14.4 Packaging group
N.A.

14.5 Environmental hazards
ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user
no data available

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Control of Substances Hazardous to Health Regulations (COSHH) 2002 SI 2002/2677 and COSHH Essentials: Easy steps to control chemicals - Control of Substances Hazardous to Health Regulations HSG193.

15.2 Chemical Safety Assessment
A Chemical Safety Assessment (CSA) has not been completed for this substance

This surfactant complies with the biodegradation criteria as laid down in regulation (EC) No648/2004 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.

16. OTHER INFORMATION

Indication of changes See Section: 8.1, 14.4

LEGEND

WEL : Workplace Exposure Limit (UK HSE EH40)
COM : The company aims to control exposure in its workplace to this limit
TLV : The company aims to control exposure in its workplace to the ACGIH limit
TLV-C: The company aims to control exposure in its workplace to the ACGIH Ceiling limit
MAK : The company aims to control exposure in its workplace to the German limit
Sk : Can be absorbed through skin
Sen : Capable of causing respiratory sensitisation
Bmgv : Biological monitoring guidance value (UK HSE EH40)
ILV : Indicative Limit Value (UK HSE EH40)
IOELV: Indicative Occupational Exposure Limit Value
PBT Persistent, Bioaccumulative and Toxic
vPvB very Persistent very Bioaccumulative