

Tough Technology Products Limited

PRODUCT SAFETY DATA SHEET

(according to Regulation (EC) No. 453/2010)

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Trade Name : CLEAN-IT

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

Use of the Substance/Mixture : Hard Surface Cleaner

Recommended restrictions : At this time we do not have information on restrictions on use. They will be included when available

1.3 Details of the supplier of the safety data sheet

Company : Tough Technology Products Limited, 114 Washway Road, Sale, Cheshire M33 7RF . Tel: 0044 800 772 0996

1.4 Emergency telephone number

Emergency phone number : (Office hours only): 0044 800 772 0996

2. Hazards Identification.

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
Skin Irritation	Category 2	H315
Eye Damage	Category 1	H318

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols:



Signal word: **Danger**

Hazard Statements: H315 Causes skin irritation
H318 Causes serious eye damage

Precautionary Statements:

General:

P101: If medical advice is needed have product container or label at hand (recommended for the general public)

P102: Keep out of the reach of children (recommended for the general public)

Prevention:

P280: Wear protective gloves/eye protection

Response:

P305 + P351: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

+ P338
P310: Immediately call a qualified first aider

Hazardous components which must be listed on the label

Contains Sodium Metasilicate

2.3 Other hazards

No other information is available

3. Composition/Information on Ingredients.

3.2 Mixtures

Ingredient Name	Identifiers	Classification EC/1272/2008	Concentration Range
Ethoxylated Alcohol	EC – Polymer CAS – 160875-66-1	Acute Tox 4 H302 Eye Damage 1 H318	5-10%
Sodium Metasilicate	EC - 229-912-9 CAS – 6834-92-0 Reach - 01-2119449811-37	Skin Corr 1B H314 STOT SE3 H335	1-5%
Cationic Surfactant	EC – Polymer CAS – 68989-03-7	Skin Irritation 2 H315 Eye Damage 1 H318 Aqua Chronic 2 H411	<2.5%

For the wording of the listed R phrases or H statements, refer to section 16.

4. First Aid Measures.

4.1 Description of first aid measures

Eye Contact: Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

Skin Contact: Wash off with water. The application of skin reconditioning (emollient) cream can be beneficial.

Inhalation: Remove to fresh air. If symptoms persist, seek medical advice.

Ingestion: Do not induce vomiting. Rinse mouth with water. Call for medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further information available

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically

5. Fire Fighting Measures:

5.1 Extinguishing Media

Suitable Extinguishing Media : Foam, Dry Powder, Co2, fine water spray suitable.

Unsuitable Extinguishing Media : None

5.2 Special hazards arising from the substance or mixture

Not classed as flammable, if involved in a fire may emit noxious fumes.

5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

6. Accidental Release Measures.

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

6.2 Environmental precautions

Inform authorities of contamination of water/sewage system. Do not allow product to soak into drains or water courses.

6.3 Methods and materials for containment and cleaning up

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

6.4 Reference to other sections

For personal protection refer to section 8

7. Handling and Storage.

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Take note of emission threshold.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store near foodstuffs.

7.3 Specific end uses

To be used as a hard surface cleaner.

8. Exposure Controls/Personal Protection.

8.1 Control parameters

WEL's not listed for individual components

8.2 Exposure controls

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.

Eyes: Eye protection should be worn.

Hand: PVC or rubber gloves are recommended.

Skin: Remove contaminated clothing and wash with soap and water.

8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties.

9.1 Information on basic physical and chemical properties

Appearance:	Pale Amber Fluid
Odour:	Characteristic Detergent
Odour Threshold:	Not determined
pH Neat:	13.0 typical
Freezing Point:	0°C typical
Initial Boiling Point & Boiling Range:	100°C
Flash Point:	Not applicable
Evaporation rate:	Not determined
Flammability:	Not Flammable
Upper/Lower Flammability Limits:	Not applicable
Vapour Pressure:	Not determined
Vapour Density:	Not determined
Relative Density:	1.060 typical @ 20°C
Solubility:	Soluble in water
Partition Coefficient (Oct/Water):	Not determined
Auto Ignition Temperature:	Not applicable
Decomposition Temperature:	>100°C
Viscosity:	As water
Explosive Properties:	Not applicable
Oxidising Properties:	Not applicable

9.2 Other Information

pH @ 5% in tap water: 11.50 typical

10. Stability and Reactivity.

10.1 Reactivity

No information available

10.2 Chemical Stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to Avoid:

High temperatures, naked flames

10.5 Incompatible materials

Strong oxidising agents, strong acids

10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be evolved. Product is stable under normal conditions

11. Toxicological Information.

11.1 Information on toxicological effects

Eyes: Classified as a serious eye irritant. Contact with the eyes may give rise to irritation and stinging. No permanent damage if treated immediately.

Skin: Classified as a skin irritant. Exposure to the skin may cause irritation. Prolonged or repeated contact may lead to de-fatting of the skin and irritation.

Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.

Ingestion: Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Swallowing of significant amounts may lead to vomiting and diarrhoea.

Acute Toxicity:	Ethoxylated Alcohol	LD50 Oral (rat)	>2000 mg/kg
	Cationic Surfactant	LD50 Oral (rat)	>2000 mg/kg
	Sodium Metasilicate	LD50 Oral (rat)	<1280 mg/kg

12. Ecological Information.

12.1 Toxicity

Eco-toxicity:	Ethoxylated Alcohol	LC50 96hrs (fish)	1-10 mg/l
		EC50 48hrs (daphnia)	1-10 mg/l
	Sodium Metasilicate	LC50 96 hrs (fish)	3185 mg/l
		EC50 48 hrs (daphnia)	4857 mg/l

12.2 Persistence and Degradability:

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). 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.

12.3 Bio-accumulative potential

Not expected to bio-accumulate

12.4 Mobility in soil

No information.

12.5 Results of PBT and vPvB assessment

No information

12.6 Other adverse effects

Not known.

13. Disposal Recommendations.

13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information.

Product is not classified as hazardous for transport.

15. Regulatory Information.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with EC 1272/2008.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

15.2 Chemical safety assessment

No information at the present time.

16. Other Information.

Full text of H-Statements referred to under sections 2 & 3

- H302: Harmful if swallowed
- H314: Causes severe skin burns and eye damage
- H315: Causes skin irritation
- H318: Causes serious eye damage
- H335: May cause respiratory irritation
- H411: Toxic to aquatic life with long lasting effects

Training Advice

Users should be trained in good industrial hygiene practise.

Department issuing data specification sheet: Health and Safety Department

Contact

Brendan Kennedy. Tel 0044 800 772 0996, E-Mail: brendan@ttproducts.com

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

Further Information

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.