



**SAFETY DATA SHEET**  
**Treble X**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product Name Treble X  
Product No. 053-19

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

Identified uses Acid concrete cleaner  
Uses Advised Against None

**1.3. Details of the supplier of the safety data sheet**

Supplier: Autosmart International Ltd  
Lynn Lane,  
Shenstone, nr Lichfield  
Staffordshire. WS14 0DH  
England  
www.autosmartinternational.com  
Tel: +44 (0) 1543 481616 (09:00 - 17:00)  
Fax: +44 (0) 1543 481549 (09:00 - 17:00)  
info@autosmartinternational.com  
Contact Person Mr. Russell Butler

**1.4. Emergency telephone number**

Mob: +44 (0) 7808 971321 (24hrs)  
Tel: +44 (0) 1543 481616 (09:00 - 17:00)  
Fax: +44 (0) 1543 481549 (09:00 - 17:00)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

Classification (1999/45/EEC) Xi;R36/37/38.

**2.2. Label elements**

Detergent Labelling: < 5% Phosphates  
Non-ionic surfactants

Labelling



Irritant

Risk Phrases

R36/37/38

Irritating to eyes, respiratory system and skin.

Safety Phrases

S23  
S24/25  
S26  
S36/37/39  
S51  
S35

Do not breathe vapour/spray.  
Avoid contact with skin and eyes.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Wear suitable protective clothing, gloves and eye/face protection.  
Use only in well-ventilated areas.  
This material and its container must be disposed of in a safe way.

**2.3. Other hazards**

This product does not contain any PBT or vPvB Substances.

## Treble X

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.2. Mixtures**

HYDROCHLORIC ACID ...%	10-30%
CAS-No.: 7647-01-0	EC No.: 231-595-7
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT Single 3 - H335	Classification (67/548/EEC) C;R34 Xi;R37
PHOSPHORIC ACID ...%	1-5%
CAS-No.: 7664-38-2	EC No.: 231-633-2 Registration Number: 01-2119485924-24
Classification (EC 1272/2008) Skin Corr. 1B - H314	Classification (67/548/EEC) C;R34

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

## SECTION 4: FIRST AID MEASURES

**4.1. Description of first aid measures**

Inhalation.

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Remove victim immediately from source of exposure. Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Rinse the skin immediately with lots of water.

Use suitable lotion to moisturise skin. Get medical attention if irritation persists after washing.

Eye Contact

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Make sure to remove any contact lenses from the eyes before rinsing.

**4.2. Most important symptoms and effects, both acute and delayed**

General Information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation.

Coughing, chest tightness, feeling of chest pressure.

Ingestion

May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

Skin Contact

Skin irritation.

Eye Contact

Irritation, burning, lachrymation, blurred vision after liquid splash.

**4.3. Indication of any immediate medical attention and special treatment needed**

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## SECTION 5: FIREFIGHTING MEASURES

**5.1. Extinguishing media**

Extinguishing Media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**5.2. Special hazards arising from the substance or mixture**

Hazardous Combustion Products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

## Treble X

### Specific Hazards

Oxides of: Carbon. Nitrogen. Hydrogen chloride (HCl).

### **5.3. Advice for firefighters**

#### Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control.

#### Protective Measures In Fire

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **6.1. Personal precautions, protective equipment and emergency procedures**

For personal protection, see section 8.

### **6.2. Environmental precautions**

Do not discharge onto the ground or into water courses. To prevent release, place container with damaged side up.

### **6.3. Methods and material for containment and cleaning up**

Wear necessary protective equipment. Stop leak if possible without risk. Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Flush to sewer if local regulations permit.

### **6.4. Reference to other sections**

For waste disposal, see section 13. For personal protection, see section 8.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

### **7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

#### Storage Class

Chemical storage.

### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
HYDROCHLORIC ACID ...%	WEL	1 ppm	2 mg/m <sup>3</sup>	5 ppm	8 mg/m <sup>3</sup>	
PHOSPHORIC ACID ...%	WEL		1 mg/m <sup>3</sup>		2 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

### **8.2. Exposure controls**

#### Protective Equipment



#### Process Conditions

Provide eyewash station.

#### Engineering Measures

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

#### Respiratory Equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Wear mask supplied with: Gas cartridge (acid gases).

## Treble X

### Hand Protection

Use protective gloves made of: Rubber (natural, latex). Polyvinyl chloride (PVC). The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### Eye Protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

### Other Protection

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

### Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue green
Odour	Acidic.
Solubility	Soluble in water. Miscible with water
Initial Boiling Point and Boiling Range:	100 760 mm Hg
Melting Point (°C)	0
Relative Density	~ 1.115 (20°C)
Vapour Density (Air=1)	Not applicable.
Vapour Pressure	Not applicable.
Evaporation Rate	Not available.
pH-Value, Conc. Solution	~ 1.0
Viscosity	1 cSt
Decomposition Temperature (°C)	Not available.
Odour Threshold, Lower	Not available.
Odour Threshold, Upper	Not available.
Flash Point (°C)	Not applicable.
Auto Ignition Temperature (°C)	Not applicable.
Flammability Limit - Lower(%)	Not applicable.
Flammability Limit - Upper(%)	Not applicable.
Partition Coefficient (N-Octanol/Water)	Not available.
Oxidising Properties	Not applicable.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

### 9.2. Other information

Volatile Organic Compound (VOC) 0 g/litre

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reaction with: Alkalis.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

**Treble X**

Hazardous Polymerisation

Will not polymerise.

**10.4. Conditions to avoid**

Avoid excessive heat for prolonged periods of time. Avoid contact with: Strong oxidising agents. Strong alkalis.

**10.5. Incompatible materials**

Materials To Avoid

Strong alkalis.

**10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Toxicological Information

No significant health hazards when used for designed purpose and application and when used in accordance with instructions.

Other Health Effects

This substance has no evidence of carcinogenic properties.

Skin Corrosion/Irritation - Animal Data

Scientifically unjustified.

Skin Corrosion/Irritation - Human Skin Model Test

Scientifically unjustified.

Skin Corrosion/Irritation - Extreme ≤ 2

pH

Irritating.

Classification based on Conventional Method, and In Vitro Approaches - Corrosive or Irritant by measuring pH and Acid/Alkali Reserve.

General Information

This product has low toxicity. Only large volumes may have adverse impact on human health.

Inhalation

May cause irritation to the respiratory system.

Ingestion.

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. May cause severe internal injury.

Skin Contact

Irritating to skin.

Eye Contact

Irritating to eyes.

Health Warnings

Serious long-term effects are not known to be related to this type of product. Swallowing concentrated chemical may cause severe internal injury. Inhalation of high volume of vapour may cause: Coughing. Irritation of nose and throat. Ingestion may cause: Stomach pain. Diarrhoea. Severe abdominal pain. Sore throat.

Route of entry

Ingestion. Skin and/or eye contact.

Medical Symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Medical Considerations

Skin disorders and allergies.

<b>Name</b>	<b>PHOSPHORIC ACID ...%</b>
Toxic Dose 1 - LD 50	1530 mg/kg (oral rat)
Other Health Effects	
This substance has no evidence of carcinogenic properties.	

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity:

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product may contribute to an excessive enrichment of the aquatic environment with nutrients. The product does not contain organic complexing agents with a DOC level of degradation of < 80% after 28 days. The product does not contain organically bound halogen.

**12.1. Toxicity**

**Treble X**

Acute Toxicity - Fish

Not determined.

Acute Toxicity - Aquatic Invertebrates

Not determined.

Acute Toxicity - Aquatic Plants

Not determined.

Acute Toxicity - Microorganisms

Not determined.

Acute Toxicity - Terrestrial

Not determined.

**12.2. Persistence and degradability**

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. 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. The product is biodegradable, but it must not be discharged into drains without permission from the authorities.

**12.3. Bioaccumulative potential**

Bioaccumulative Potential:

The product does not contain any substances expected to be bioaccumulating.

**12.4. Mobility in soil**

Mobility:

The product is soluble in water.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB Substances.

**12.6. Other adverse effects**

Not applicable.

**Name PHOSPHORIC ACID ...%**

Ecotoxicity

The product may contribute to an excessive enrichment of the aquatic environment with nutrients. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l 100 - 1000

EC 50, 48 Hrs, Daphnia, mg/l 270

Mobility

The product is soluble in water.

Bioaccumulative Potential

The product does not contain any substances expected to be bioaccumulating.

Degradability

The product is easily biodegradable.

**Name HYDROCHLORIC ACID ...%**

Ecotoxicity

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l 4-100

Mobility

The product is soluble in water.

Bioaccumulative Potential

The product is not bioaccumulating.

Degradability

The product is biodegradable.

**SECTION 13: DISPOSAL CONSIDERATIONS**

General Information

The packaging must be empty (drop-free, when inverted)

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

**Treble X**

UN No. (ADR/RID/ADN)	1789
UN No. (IMDG)	1789
UN No. (ICAO)	1789

**14.2 UN Proper shipping name**

Proper Shipping Name                    HYDROCHLORIC ACID

**14.3 Transport hazard class(es)**

ADR/RID/ADN Class	8
ADR/RID/ADN Class	Class 8: Corrosive substances.
ADR Label No.	8
IMDG Class	8
ICAO Class/Division	8
Transport Labels	

**14.4. Packing group**

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

**14.6. Special precautions for user**

IMDG Code Segregation Group	1. Acids
EMS	F-A, S-B
Emergency Action Code	2R
Hazard No. (ADR)	80
Tunnel Restriction Code	(E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

Water Hazard Classification

WGK 1

**15.2. Chemical Safety Assessment**

**Treble X**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

## General Information

This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.

Only trained personnel should use this material.

Revision Date 13/05/2011

Revision 5

Supersedes Date 18/11/2010

## Risk Phrases In Full

R34 Causes burns.

R37 Irritating to respiratory system.

## Hazard Statements In Full

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

## Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.