

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

1.1 Product Identifier

Product Name: Etch IT

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

Identified Use(s): Detergent. Cleaning/washing agents and additives. Professional use, consumer use.

Uses Advised Against: No additional information available

1.3 Details of the supplier of the safety data sheet

Company Name: Polycote UK LLP
Centre Point
Wolseley Road
Woburn Road Industrial Estate

Kempston

Beds

MK42 7EF

Telephone Number: 01234 846400

Emergency Contact Number: 111 (NHS England)

Email address: uksales@polycote.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2; H315

Serious eye damage/eye irritation, Category 2; H319

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

2.2 Label elements

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

Hazard pictograms:



Signal word:

Warning

Contains

<5% non-ionic surfactants.

Hazard statements:

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Precautionary statements:

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P264 - Wash hands thoroughly after handling.

P280 - Wear eye protection, protective gloves.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3 Other hazards:

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
hydrochloric acid ... %	EC-No.: 231-595-7 EC Index-No.: 017-002-01-X REACH-no: 01-2119484862-27	$\geq 5 - < 10$	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
C9-11 PARETH-6	CAS-No.: 68439-46-3	$\geq 1 - < 5$	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

Specific concentration limits: see section 16

Full text of H- and EUH-statements: see section 16

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures:

First-aid measures general:

Call a poison centre or a doctor if you feel unwell.

SECTION 4: FIRST-AID MEASURES

First-aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a poison centre or a doctor if you feel unwell.
First-aid measures after skin contact:	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion:	Call a poison centre or a doctor if you feel unwell.
4.2 Most important symptoms and effects, both acute and delayed	
Symptoms/effects after inhalation:	May cause respiratory irritation.
Symptoms/effects after skin contact:	Irritation.
Symptoms/effects after eye contact:	Eye irritation.
4.3 Indication of any immediate medical attention and special treatment needed:	
Treat symptomatically.	

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media:	
Suitable extinguishing media:	Water spray. Dry powder. Foam. Carbon dioxide.
5.2 Special hazards arising from the substance or mixture:	
Hazardous decomposition products in case of fire:	Toxic fumes may be released.
5.3 Advice for firefighters:	
Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:	
6.1.1. For non-emergency personnel	
Emergency procedures:	Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment:	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2 Environmental precautions:	Avoid release to the environment.
6.3 Methods and material for containment and cleaning up:	
Methods for cleaning up:	Take up liquid spill into absorbent material.
Other information:	Dispose of materials or solid residues at an authorized site.
6.4 Reference to other sections:	For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	
Precautions for safe handling:	Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures:	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2 Conditions for safe storage, including any	
Incompatibilities:	
Storage conditions:	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
7.3 Specific end use(s)	No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:	
8.1.1. National occupational exposure and biological limit values	
No additional information available	
8.1.2. Recommended monitoring procedures	
No additional information available	
8.1.3. Air contaminants formed	
No additional information available	
8.1.4. DNEL and PNEC	
No additional information available	
8.1.5. Control banding	
No additional information available	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continue)**8.2 Exposure controls:****8.2.1. Appropriate engineering controls**

Ensure good ventilation of the workstation.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

**8.2.2.1. Eye and face protection**

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Colourless.
Odour:	characteristic.
Odour threshold:	No data available
pH:	≈ 1
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	Not applicable
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability:	Not applicable
Vapour pressure:	No data available
Relative vapour density at 20°C:	No data available
Relative density:	≈ 1.08
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow):	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available
9.2 Other information	No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
10.2 Chemical stability:	Stable under normal conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known under normal conditions of use.
10.4 Conditions to avoid:	None under recommended storage and handling conditions (see section 7).
10.5 Incompatible materials:	No additional information available
10.6 Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified

SECTION 11: TOXICOLOGICAL INFORMATION (continue)

hydrochloric acid ... %	
LD50 oral rat	700 mg/kg
LD50 oral	1449 mg/kg MOUSE
LD50 dermal rabbit	> 5010 mg/kg
LC50, Inhalation, rat	4.5 mg/l (0.5 Hours)
LC50, Inhalation, mouse	1.66 mg/l (1 Hours)

Skin corrosion/irritation:	Causes skin irritation. pH: ≈ 1
Serious eye damage/irritation:	Causes serious eye irritation. pH: ≈ 1
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified

hydrochloric acid ... %	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic) Not rapidly degradable:	Not classified

hydrochloric acid ... %	
LC50 - Fish [1]	8.5 mg/l
EC50 - Crustacea [1]	71 mg/l
EC50, algae	25.5 mg/l (120 Hours, (OECD 201 method))
EC50, Brachydanio rerio (zebra-fish)	123 mg/l (24 Hours)
EC50, Leuciscus idus (golden orfe)	862 mg/l (48 Hours)

12.2 Persistence and Degradation	No additional information available
12.3 Bioaccumulative potential	No additional information available
12.4 Mobility in soil	No additional information available
12.5 Results of PBT and vPvB assessment	No additional information available
12.6 Other adverse effects	No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
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SECTION 14: TRANSPORT INFORMATION

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

SECTION 14: TRANSPORT INFORMATION (continue)

14.6	Special precautions for user	
	Overland transport:	Not regulated
	Transport by sea:	Not regulated
	Air transport:	Not regulated
	Inland waterway transport:	Not regulated
	Rail transport:	Not regulated
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****15.1.1. EU-Regulations**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Detergent Regulation (648/2004/EC): Ingredient data sheet

Component	CAS-No.	%
WATER	7732-18-5	≥10%
hydrochloric acid ... %		1 - 10%
C9-11 PARETH-6	68439-46-3	1 - 10%

Detergent Regulation (648/2004/EC): Labelling of contents

Component	%
non-ionic surfactants	<5%

15.1.2. National regulations**France****Occupational diseases**

Code	Description
RG 66	Occupational rhinitis and asthma

Germany

Employment restrictions:

Observe restrictions according Act on the Protection of Working Mothers (MuSchG)

Water hazard class (WGK):

Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Major Accidents Ordinance (12. BImSchV):

WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Is not subject to the Major Accidents Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen:

None of the components are listed

SZW-lijst van mutagene stoffen:

None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding:

None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid:

None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling:

None of the components are listed

Switzerland

Storage class (LK)

LK 10/12 - Liquids

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION**Abbreviations and acronyms**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer

SECTION 16: OTHER INFORMATION (continue)

IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
Full text of H- and EUH-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Name	Product identifier	Specific concentration limits
hydrochloric acid ... %	EC-No.: 231-595-7 EC Index-No.: 017-002-01-X REACH-no: 01-2119484862-27	(10 ≤ C < 25) Skin Irrit. 2; H315 (10 ≤ C < 25) Eye Irrit. 2; H319 (10 ≤ C ≤ 100) STOT SE 3; H335 (25 ≤ C ≤ 100) Skin Corr. 1B; H314

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

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