

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Best Etch

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Use of the substance/mixture : Designed to etch and prepare dentin and enamel

##### 1.2.2. Uses advised against

Restrictions on use : None known

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

Supplier:

Emergo Europe  
Prinsessegracht 20  
2514 AP The Hague  
The Netherlands  
+31 (0) 70 345 8570

Manufacturer:

Inter-Med, Inc. / Vista Dental Products  
2200 South Street  
Racine, WI 53404  
T: (877)-418-4782

#### 1.4. Emergency telephone number

Emergency number : 800-424-9300 (North America) / +1 (703) 527-3887 (International)

### SECTION 2: Hazards identification

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

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

Corrosive to metals, Category 1 H290  
Skin corrosion/irritation, Category 1B H314  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

May be corrosive to metals. Causes severe skin burns and eye damage.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger  
Hazardous ingredients : phosphoric acid  
Hazard statements (CLP) : H290 - May be corrosive to metals.  
H314 - Causes severe skin burns and eye damage.  
Precautionary statements (CLP) : P280 - Wear eye protection, protective clothing, protective gloves.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.  
P390 - Absorb spillage to prevent material damage.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.. Immediately call a POISON CENTER or doctor.  
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.. Immediately call a POISON CENTER or doctor.

#### 2.3. Other hazards not contributing to the classification

No additional information available

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 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]
phosphoric acid	(CAS-No.) 7664-38-2 (EC-No.) 231-633-2 (EC Index-No.) 015-011-00-6	35 - 39	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
phosphoric acid	(CAS-No.) 7664-38-2 (EC-No.) 231-633-2 (EC Index-No.) 015-011-00-6	( 10 =<C < 25) Eye Irrit. 2, H319 ( 10 =<C < 25) Skin Irrit. 2, H315 (C >= 25) Skin Corr. 1B, H314

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Give artificial respiration if necessary. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash off immediately and plentifully with water for at least 20 minutes. Take off immediately all contaminated clothing and wash it before reuse. Get immediate medical advice/attention.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 20-30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical advice.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Get medical advice/attention.

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

Symptoms/effects after inhalation	: Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Symptoms/effects after skin contact	: Causes severe burns.
Symptoms/effects after eye contact	: Causes serious eye burns.
Symptoms/effects after ingestion	: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: None known.

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

Fire hazard	: On combustion, forms: carbon oxides (CO and CO <sub>2</sub> ). Phosphorus oxides.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protective equipment for firefighters	: 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

General measures	: Avoid contact with skin, eyes and clothing. Avoid all eye and skin contact and do not breathe vapour and mist.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. In case of inadequate ventilation wear respiratory protection.
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Emergency procedures : Stop leak if safe to do so. Ventilate spillage area.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide local exhaust or general room ventilation to minimize vapour concentrations. Avoid contact with skin and eyes. Do not breathe mist, spray, vapours. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse.

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

Storage conditions : Keep only in original container. Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible materials : Metals. Oxidizing agent.

### 7.3. Specific end use(s)

See Heading 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

phosphoric acid (7664-38-2)		
EU	Local name	Orthophosphoric acid
EU	IOELV TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
EU	IOELV STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Austria	Local name	Phosphorsäure
Austria	MAK (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Austria	MAK Short time value (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Austria	Regulatory reference	BGBl. II Nr. 186/2015
Belgium	Local name	Acide phosphorique # Fosforzuur
Belgium	Limit value (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Belgium	Short time value (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Belgium	Regulatory reference	Koninklijk besluit/Arrêté royal 11/03/2002
Bulgaria	Local name	Ортофосфорна киселина
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Bulgaria	Notes	• (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
Bulgaria	Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа
Croatia	Local name	fosforna kiselina; (Ortofosforna)
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Croatia	Naznake (HR)	C (nagrizajuće); EU* (naznaka da se radi o tvarima za koje su utvrđene indikativne granične vrijednosti izloženosti prema Direktivi 2000/39/ EC (prva lista))

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phosphoric acid (7664-38-2)		
Croatia	Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN, br. 75/13)
Cyprus	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Cyprus	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Czech Republic	Local name	Kyselina fosforečná
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (NPK-P) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Czech Republic	Remark (CZ)	I (dráždí sliznice (oči, dýchací cesty) resp. kůži)
Czech Republic	Regulatory reference	Nařízení vlády č. 361/2007 Sb. (zapracovány změny č. 93/2012 Sb., 9/2013 Sb.)
Denmark	Local name	Phosphorsyre
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Denmark	Anmærkninger (DK)	E (betyder, at stoffet har en EF-grænseværdi)
Denmark	Regulatory reference	BEK nr 655 af 31/05/2018
Estonia	Local name	Fosforhape, (ortofosforhape) aur
Estonia	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Estonia	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Estonia	Regulatory reference	Vabariigi Valitsuse 18. septembri 2001. a määruse nr 293 (RT I, 30.11.2011, 5)
Finland	Local name	Fosforihappo
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min)	2 mg/m <sup>3</sup>
Finland	Regulatory reference	HTP-ARVOT 2018 (Sosiaali- ja terveystieteiden ministeriö)
France	Local name	Acide phosphorique
France	VME (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
France	VME (ppm)	0.2 ppm
France	VLE (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
France	VLE (ppm)	0.5 ppm
France	Note (FR)	Valeurs réglementaires indicatives
France	Regulatory reference	Arrêté du 30 juin 2004 modifié (réf.: INRS ED 984, 2016)
Germany	TRGS 900 Local name	Orthophosphorsäure
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (E)
Germany	TRGS 900 Limitation of exposure peaks	2(I)
Germany	TRGS 900 Remark	DFG;EU;AGS;Y
Germany	TRGS 900 Regulatory reference	TRGS900
Greece	Local name	Ορθοφωσφορικό οξύ
Greece	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Greece	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Greece	Regulatory reference	Π.Δ. 90/1999
Hungary	Local name	ORTOFOSZFORSAV (foszforsav)
Hungary	AK-érték	1 mg/m <sup>3</sup>
Hungary	CK-érték	2 mg/m <sup>3</sup>
Hungary	Megjegyzések (HU)	m (maró hatású anyag, amely felmarja a bőrt, nyálkahártyát, szemet vagy mindhármát); EU1 (2000/39/EK irányelvben közölt érték)

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phosphoric acid (7664-38-2)		
Hungary	Regulatory reference	25/2000. (IX. 30.) EüM–SZCSM együttes rendelet a munkahelyek kémiai biztonságáról
Ireland	Local name	Orthophosphoric acid
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Ireland	Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
Italy	Local name	Acido ortofosforico
Italy	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Italy	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Italy	Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
Latvia	Local name	Fosforskābe (ortofosforskābe)
Latvia	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Latvia	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Latvia	Regulatory reference	Ministru kabineta 2007.gada 15.maija noteikumi Nr.325
Lithuania	Local name	Fosforo rūgštis, orto-
Lithuania	IPRV (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Lithuania	TPRV (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Lithuania	Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Luxembourg	Local name	Acide phosphorique
Luxembourg	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Luxembourg	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Luxembourg	Regulatory reference	Mémorial A N° 684 de 2018
Malta	Local name	Orthophosphoric acid
Malta	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Malta	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Malta	Regulatory reference	S.L.424.24 (L.N.57 of 2018)
Netherlands	Local name	Fosforzuur
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Netherlands	Regulatory reference	Arbeidsomstandighedenregeling 2018
Poland	Local name	Kwas fosforowy (V)
Poland	NDS (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Poland	NDSCh (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Poland	Regulatory reference	Dz. U. 2018 poz. 1286
Portugal	Local name	Ácido fosfórico
Portugal	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Portugal	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Portugal	Regulatory reference	Norma Portuguesa NP 1796:2014
Romania	Local name	Acid ortofosforic
Romania	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Romania	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Romania	Regulatory reference	Hotărârea nr. 584/2018

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phosphoric acid (7664-38-2)		
Slovakia	Local name	Kyselina fosforečná
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Slovakia	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Slovakia	Regulatory reference	Nariadenie vlády č. 33/2018 Z.z.
Slovenia	Local name	fosforjeva kislina
Slovenia	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Slovenia	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Slovenia	KTV factor SL	2
Slovenia	Regulatory reference	Uradni list RS, št. 38/2015 z dne 4.6.2015
Spain	Local name	Ácido ortofosfórico
Spain	VLA-ED (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Spain	VLA-EC (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Spain	Notes	VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo), s (Esta sustancia tiene prohibida total o parcialmente su comercialización y uso como fitosanitario y/o como biocida. Para una información detallada acerca de las prohibiciones consúltese: Base de datos de productos biocidas: <a href="http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas">http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas</a> Base de datos de productos fitosanitarios <a href="http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf">http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf</a> ).
Spain	Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2018. INSHT
Sweden	Local name	Fosforsyra
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Sweden	Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom	Local name	Orthophosphoric acid
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE
Iceland	Local name	Fosfórsýra
Iceland	OEL (8 hours ref) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Iceland	OEL (15 min ref) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Iceland	Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway	Local name	Fosforsyre
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Norway	Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (value calculated)
Norway	Merknader (NO)	E (EU har en veiledende grenseverdi for stoffet)
Norway	Regulatory reference	FOR-2018-08-21-1255
USA - ACGIH	Local name	Phosphoric acid
USA - ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
USA - ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
USA - ACGIH	Remark (ACGIH)	URT, eye, & skin irr
USA - ACGIH	Regulatory reference	ACGIH 2018

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### 8.2. Exposure controls

#### Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

#### Hand protection:

Impermeable protective gloves. EN 374

#### Eye protection:

Safety glasses with side shields. DIN EN 166

#### Skin and body protection:

Long sleeved protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits

#### 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	: Gel
Appearance	: gel.
Colour	: Blue.
Odour	: Odourless.
Odour threshold	: No data available
pH	: 1 - 1.5
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 (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.25 - 1.3 g/cm <sup>3</sup> (25 °C / 77 °F)
Solubility	: No data available
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

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Do not expose to heat.

### 10.5. Incompatible materials

metals. Oxidising agents.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. On combustion, forms: carbon oxides (CO and CO<sub>2</sub>). Phosphorus oxides.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

phosphoric acid (7664-38-2)	
LD50 oral rat	1530 mg/kg
LD50 dermal rabbit	2740 mg/kg
LC50 inhalation rat (mg/l)	> 850 mg/m <sup>3</sup> (Exposure time: 1 h)

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 1 - 1.5
Serious eye damage/irritation	: Serious eye damage, category 1, implicit pH: 1 - 1.5
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general	: This material has not been tested for environmental effects.
Acute aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)

#### 12.2. Persistence and degradability

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

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN






ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
1805	1805	1805	1805	1805
<b>14.2. UN proper shipping name</b>				
PHOSPHORIC ACID, SOLUTION	PHOSPHORIC ACID SOLUTION	Phosphoric acid, solution	PHOSPHORIC ACID, SOLUTION	PHOSPHORIC ACID, SOLUTION
<b>Transport document description</b>				
UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III, (E)	UN 1805 PHOSPHORIC ACID SOLUTION, 8, III	UN 1805 Phosphoric acid, solution, 8, III	UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III	UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III



# Best Etch

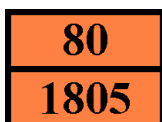
## Safety Data Sheet

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14.3. Transport hazard class(es)				
8	8	8	8	8
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				
14.6. Special precautions for user				

### Overland transport

Classification code (ADR)	: C1
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: 2R

### Transport by sea

Special provisions (IMDG)	: 223
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Miscible in water. Mildly corrosive to most metals.

### Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L

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### Inland waterway transport

Classification code (ADN)	: C1
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0

### Rail transport

Classification code (RID)	: C1
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 80

### 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 REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

##### Germany

Reference to AwSV : Water hazard class (WGK) 1, low hazard to water (Classification according to AwSV, Annex 1)  
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Sources of Key data : 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.

### Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
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Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Met. Corr. 1	H290	Calculation method
Skin Corr. 1B	H314	Calculation method

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*