Printing date 08/10/2015

Reviewed on 08/10/2015

Tel.: 07761/562-0

Fax: 07761/562299

1	Id	enti	fi
	14	ciui,	10

## cation

### · Product identifier

· Trade name: VITA CERAMICS ETCH

· Article number: FCE..

- · Relevant identified uses of the substance or mixture and uses advised against No further relevant information available
- · Application of the substance / the mixture Auxiliary for manufacture of dental prothesis
- · Details of the supplier of the safety data sheet · Manufacturer/Supplier: VITA Zahnfabrik H. Rauter GmbH & Co. KG

Postfach 1338 D 79704 Bad Säckingen e-mail: info@vita-zahnfabrik.com • Emergency telephone number: Tel.: ++49-(0)761-19240

## 2 Hazard(s) identification

# · Classification of the substance or mixture GHS06 Skull and crossbones Acute Tox. 3 H301 Toxic if swallowed. Acute Tox. 2 H310 Fatal in contact with skin. GHS08 Health hazard Carc. 1A H350 May cause cancer. GHS05 Corrosion Met. Corr.1 H290 May be corrosive to metals. Skin Corr. 1A H314 Causes severe skin burns and eye damage. Eye Dam. 1 H318 Causes serious eye damage. GHS07 Acute Tox. 4 H332 Harmful if inhaled. · Classification according to Directive 67/548/EEC or Directive 1999/45/EC Toxic 🛃 Toxic by inhalation, in contact with skin and if swallowed. Corrosive Causes severe burns. · Information concerning particular hazards for human and environment: The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. (Contd. on page 2)

Printing date 08/10/2015

Reviewed on 08/10/2015

#### Trade name: VITA CERAMICS ETCH

Classification a	(Contd. of page 1)
	ystem: on was made according to the latest editions of international substances lists, and expanded pany and literature data.
Label elements GHS label elem The product is of Hazard pictogra	<b>tents</b> classified and labeled according to the Globally Harmonized System (GHS).
GHS05 GH	S06 GHS08
Signal word Da	inger
Hazard-determ hydrogen fluori sulphuric acid ethanol	<b>ining components of labeling:</b> de
H301 Toxic if s H310 Fatal in c H332 Harmful i H314 Causes se	orrosive to metals. wallowed. contact with skin. if inhaled. evere skin burns and eye damage.
H350 May caus Precautionary	
P260	Do not breathe dusts or mists.
P301+P310	If swallowed: Immediately call a poison center/doctor.
	353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skir with water/shower.
P305+P351+P	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, ip present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Classification s NFPA ratings (	ystem
F	$\begin{aligned} Health &= 3\\ Fire &= 0\\ Peactivity &= 0 \end{aligned}$
	cucinny – o
Other hazards	
	and vPvB assessment
PBT: Not appli vPvB: Not appl	
<b>vi vb.</b> Noi appi	

## 3 Composition/information on ingredients

· Chemical characterization: Mixtures

• Description: Mixture of the substances listed below with nonhazardous additions.

(Contd. on page 3) USA

Printing date 08/10/2015

Reviewed on 08/10/2015

#### Trade name: VITA CERAMICS ETCH

Dangerous components:		Contd. of page 2
CAS: 7664-93-9	sulphuric acid CR35 Carc. 1A, H350; I Skin Corr. 1A, H314	5-<10%
CAS: 7664-39-3	<i>hydrogen fluoride</i> <b>■</b> T+ R26/27/28; <b>■</b> C R35 <i>Acute Tox. 2, H300; Acute Tox. 1, H310; Acute Tox. 2, H330; Acute Tox. 2, H330; Acute Tox. 2, H330; Acute Tox. 2, H330; </i>	2.5-<5%
CAS: 64-17-5 Reg.nr.: 01-2119457610-43-xxx	ethanol F R11 F R11 Flam. Liq. 2, H225; Carc. 1A, H350; Eye Irrit. 2A, H319	2.5-<10%

· Additional information For the wording of the listed risk phrases refer to section 16.

## 4 First-aid measures

2

×

Seek medical treatment. Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation. After skin contact Rub in Ca-gluconate solution or Ca-gluconate gel immediately. Immediately wash with water and soap and rinse thoroughly. After eye contact Call a doctor immediately. Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor. Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available.	General information	
In case of irregular breathing or respiratory arrest provide artificial respiration. • After inhalation Seek medical treatment. Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation. • After skin contact Rub in Ca-gluconate solution or Ca-gluconate gel immediately. Immediately wash with water and soap and rinse thoroughly. • After eye contact Call a doctor immediately. Rinse opened eye for several minutes under running water. Then consult a doctor. • After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.	mmediately remove any clothing soiled by the product.	
<ul> <li>After inhalation Seek medical treatment. Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.</li> <li>After skin contact Rub in Ca-gluconate solution or Ca-gluconate gel immediately. Immediately wash with water and soap and rinse thoroughly.</li> <li>After eye contact Call a doctor immediately. Rinse opened eye for several minutes under running water. Then consult a doctor.</li> <li>After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor.</li> <li>Information for doctor</li> <li>Most important symptoms and effects, both acute and delayed No further relevant information available.</li> </ul>		
Seek medical treatment. Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation. • After skin contact Rub in Ca-gluconate solution or Ca-gluconate gel immediately. Immediately wash with water and soap and rinse thoroughly. • After eye contact Call a doctor immediately. Rinse opened eye for several minutes under running water. Then consult a doctor. • After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor. • Information for doctor	n case of irregular breathing or respiratory arrest provide artificial respiration.	
<ul> <li>Supply fresh air or oxygen; call for doctor.</li> <li>In case of unconsciousness place patient stably in side position for transportation.</li> <li>After skin contact</li> <li>Rub in Ca-gluconate solution or Ca-gluconate gel immediately.</li> <li>Immediately wash with water and soap and rinse thoroughly.</li> <li>After eye contact</li> <li>Call a doctor immediately.</li> <li>Rinse opened eye for several minutes under running water. Then consult a doctor.</li> <li>After swallowing</li> <li>Seek immediate medical advice.</li> <li>Rinse out mouth and then drink plenty of water.</li> <li>Do not induce vomiting; immediately call for medical help.</li> <li>Drink copious amounts of water and provide fresh air. Immediately call a doctor.</li> <li>Information for doctor</li> <li>Most important symptoms and effects, both acute and delayed No further relevant information available.</li> </ul>	Ifter inhalation	
In case of unconsciousness place patient stably in side position for transportation. • After skin contact Rub in Ca-gluconate solution or Ca-gluconate gel immediately. Immediately wash with water and soap and rinse thoroughly. • After eye contact Call a doctor immediately. Rinse opened eye for several minutes under running water. Then consult a doctor. • After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor. • Information for doctor • Most important symptoms and effects, both acute and delayed No further relevant information available.	leek medical treatment.	
<ul> <li>After skin contact Rub in Ca-gluconate solution or Ca-gluconate gel immediately. Immediately wash with water and soap and rinse thoroughly. </li> <li>After eye contact Call a doctor immediately. Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor. Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available.</li></ul>	Supply fresh air or oxygen; call for doctor.	
Rub in Ca-gluconate solution or Ca-gluconate gel immediately.Immediately wash with water and soap and rinse thoroughly.After eye contactCall a doctor immediately.Rinse opened eye for several minutes under running water. Then consult a doctor.After swallowingSeek immediate medical advice.Rinse out mouth and then drink plenty of water.Do not induce vomiting; immediately call for medical help.Drink copious amounts of water and provide fresh air. Immediately call a doctor.Information for doctorMost important symptoms and effects, both acute and delayed No further relevant information available.	n case of unconsciousness place patient stably in side position for transportation.	
Immediately wash with water and soap and rinse thoroughly. • After eye contact Call a doctor immediately. Rinse opened eye for several minutes under running water. Then consult a doctor. • After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor. • Information for doctor • Most important symptoms and effects, both acute and delayed No further relevant information available.	fter skin contact	
<ul> <li>After eye contact Call a doctor immediately. Rinse opened eye for several minutes under running water. Then consult a doctor.</li> <li>After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor.</li> <li>Information for doctor</li> <li>Most important symptoms and effects, both acute and delayed No further relevant information available.</li> </ul>	Rub in Ca-gluconate solution or Ca-gluconate gel immediately.	
Call a doctor immediately. Rinse opened eye for several minutes under running water. Then consult a doctor. • After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor. • Information for doctor • Most important symptoms and effects, both acute and delayed No further relevant information available.	mmediately wash with water and soap and rinse thoroughly.	
<ul> <li>Rinse opened eye for several minutes under running water. Then consult a doctor.</li> <li>After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor. Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available.</li></ul>	fter eye contact	
<ul> <li>After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor.</li> <li>Information for doctor</li> <li>Most important symptoms and effects, both acute and delayed No further relevant information available.</li> </ul>	Call a doctor immediately.	
<ul> <li>After swallowing Seek immediate medical advice. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor.</li> <li>Information for doctor</li> <li>Most important symptoms and effects, both acute and delayed No further relevant information available.</li> </ul>	Rinse opened eye for several minutes under running water. Then consult a doctor.	
Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor. • Information for doctor • Most important symptoms and effects, both acute and delayed No further relevant information available.		
Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor. • Information for doctor • Most important symptoms and effects, both acute and delayed No further relevant information available.	eek immediate medical advice.	
Do not induce vomiting; immediately call for medical help. Drink copious amounts of water and provide fresh air. Immediately call a doctor. • Information for doctor • Most important symptoms and effects, both acute and delayed No further relevant information available.	Rinse out mouth and then drink plenty of water.	
Drink copious amounts of water and provide fresh air. Immediately call a doctor. • Information for doctor • Most important symptoms and effects, both acute and delayed No further relevant information available.		
• Information for doctor • Most important symptoms and effects, both acute and delayed No further relevant information available.		
· Most important symptoms and effects, both acute and delayed No further relevant information available.		
		le.
No further relevant information available.		

- · Extinguishing media
- · Suitable extinguishing agents

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • For safety reasons unsuitable extinguishing agents Water.

- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Mount respiratory protective device.
- · Additional information None

(Contd. on page 4)

Printing date 08/10/2015

Reviewed on 08/10/2015

#### Trade name: VITA CERAMICS ETCH

(Contd. of page 3)

#### 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
  Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- Reference to other sections
- See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

### 7 Handling and storage

#### · Handling

## · Precautions for safe handling

Extractor required on object.

Ensure good ventilation/exhaustion at the workplace.

- Open and handle receptacle with care.
- Prevent formation of aerosols.
- · Information about protection against explosions and fires: Keep respiratory protective device available.

· Conditions for safe storage, including any incompatibilities

· Storage

×

- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Store away from flammable substances.
- · Further information about storage conditions: Keep receptacle tightly sealed.

• Storage class 6.1 B

· Specific end use(s) No further relevant information available.

#### 8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

7664-39-3 hydrogen fluoride

PEL Long-term value: 3 ppm as F

- REL Long-term value: 2.5 mg/m<sup>3</sup>, 3 ppm Ceiling limit value: 5\* mg/m<sup>3</sup>, 6\* ppm \*15-min, as F
- TLV Long-term value: 0.41 mg/m<sup>3</sup>, 0.5 ppm Ceiling limit value: 1.64 mg/m<sup>3</sup>, 2 ppm as F; Skin, BEI

#### 64-17-5 ethanol

- PEL Long-term value: 1900 mg/m<sup>3</sup>, 1000 ppm
- REL Long-term value: 1900 mg/m<sup>3</sup>, 1000 ppm

(Contd. on page 5)

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: VITA CERAMICS ETCH

· Ingredients with biological limit values:

(Contd. of page 4)

### 7664-39-3 hydrogen fluoride

BEI 3 mg/g creatinine Medium: urine Time: prior to shift Parameter: Fluorides (background, nonspecific)

10 mg/g creatinine Medium: urine Time: end of shift Parameter: Fluorides (background, nonspecific)

• Additional information: The lists that were valid during the creation were used as basis.

- · Exposure controls
- · Personal protective equipment
- General protective and hygienic measures Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Store protective clothing separately.

Avoid contact with the eyes and skin.

- · Breathing equipment:
- Use ventilation hood

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

#### • Protection of hands:



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

e.g. Dermatril P, KCL Nr. 743

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- · Penetration time of glove material
- e.g. KCL Dermatril P 480 min

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles.

(Contd. on page 6)

Printing date 08/10/2015

\*

Reviewed on 08/10/2015

#### Trade name: VITA CERAMICS ETCH

(Contd. of page 5)

Physical and chemical proper		
· Information on basic physical and c	hemical properties	
· General Information		
· Appearance:		
Form:	Viscous	
Color:	Light red	
· Odor:	Characteristic	
· Odour threshold:	Not determined.	
• <i>pH-value at 20 °C (68 °F):</i>	2	
· Change in condition		
Melting point/Melting range:	undetermined	
Boiling point/Boiling range:	100 °C (212 °F)	
· Flash point:	Not applicable	
· Flammability (solid, gaseous)	Not applicable.	
· Ignition temperature:		
Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
• Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
• Oxidizing properties	None	
· Vapor pressure at 20 °C (68 °F):	23 hPa (17 mm Hg)	
• Density at 20 °C (68 °F):	1.06 g/cm <sup>3</sup> (8.846 lbs/gal)	
· Relative density	Not determined.	
· Vapour density	Not determined.	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
Water:	Fully miscible	
· Partition coefficient (n-octanol/wate	<b>r):</b> Not determined.	
· Viscosity:		
dynamic:	Not determined.	
kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	3.2 %	
Water:	82.6 %	
• Other information	No further relevant information available.	

### 10 Stability and reactivity

\*

• *Reactivity* No decomposition if used and stored according to specifications.

• *Chemical stability* No decomposition if used and stored according to specifications.

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions No dangerous reactions known

· Conditions to avoid No further relevant information available.

· Incompatible materials: No further relevant information available.

(Contd. on page 7)

<sup>-</sup>USA

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: VITA CERAMICS ETCH

· Hazardous decomposition products: No dangerous decomposition products known

(Contd. of page 6)

## 11 Toxicological information

- · Information on toxicological effects
- Acute toxicity:
- · Primary irritant effect:
- $\cdot$  on the skin: Strong caustic effect on skin and mucous membranes.
- on the eye: Strong caustic effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:
- The product shows the following dangers according to internally approved calculation methods for preparations:
- Toxic
- Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)		
7664-93-9 sulphuric acid	1	
64-17-5 ethanol	1	
· NTP (National Toxicology Program)		
7664-93-9 sulphuric acid	K	

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

### 12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:
- Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized. Danger to drinking water if even small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

### 13 Disposal considerations

- · Waste treatment methods
- Recommendation Disposal must be made according to official regulations.
- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

(Contd. on page 8)

(Contd. of page 7)

## Safety Data Sheet acc. to OSHA HCS

Printing date 08/10/2015

Reviewed on 08/10/2015

### Trade name: VITA CERAMICS ETCH

• Recommended cleansing agent: Water, if necessary with cleansing agents.

· UN-Number	
DOT, ADR, IMDG, IATA	UN2922
UN proper shipping name DOT	Corrosive liquids, toxic, n.o.s. (Hydrogen fluoride, Sulj acid)
ADR	UN2922 Corrosive liquids, toxic, n.o.s. (Hydrogen fluor Sulfuric acid) CORROSIVE LIQUID, TOXIC, N.O.S. (HYDROC
· IMDG, IATA	FLUORIDE, SULPHURIC ACID)
• Transport hazard class(es)	
DOT	
· Class · Label	8 Corrosive substances 8, 6.1
· ADR	
- Class	8 Corrosive substances
Label	8+6.1
· Class · Label	8 Corrosive substances 8/6.1
· LADEI · IATA	0/0.1
· Class	8 Corrosive substances
·Label	8 (6.1)
· Packing group · DOT, ADR, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Corrosive substances
· Danger code (Kemler): · EMS Number:	886 F-A,S-B

Printing date 08/10/2015

Reviewed on 08/10/2015

Trade name: VITA CERAMICS ETCH

	(Contd. of page 8
· Segregation groups	Acids
· Transport in bulk according to Annex	II of
MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities $(\widetilde{E}Q)$	Code: E2
· · · · · · · · · · · · · · · · · · ·	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 2922 CORROSIVE LIQUIDS, TOXIC, N.O.S. (HYDROGEN
C C	FLUORIDE, SULFURIC ACID), 8 (6.1), II

## 15 Regulatory information

\*

$\cdot$ Safety, health and environmental regulations/legislation specific for the substance or mix	ture
· SARA Section 355 (extremely hazardous substances)	
7664-93-9 sulphuric acid	
7664-39-3 hydrogen fluoride	
· SARA Section 313 (specific toxic chemical listings)	
7664-93-9 sulphuric acid	
7664-39-3 hydrogen fluoride	
· TSCA (Toxic Substances Control Act)	
All ingredients are listed.	
· Prop 65 - Chemicals known to cause cancer	
None of the ingredients is listed.	
· Cancerogenity categories	
· EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
· TLV (Threshold Limit Value established by ACGIH)	
7664-93-9 sulphuric acid	A2
64-17-5 ethanol	A3
· MAK (German Maximum Workplace Concentration)	
7664-93-9 sulphuric acid	4
64-17-5 ethanol	5
·NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	
· National regulations	
• Technical instructions (air):	
Class Share in %	

NK 3-<5

• Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

(Contd. on page 10)

USA

Printing date 08/10/2015

Trade name: VITA CERAMICS ETCH

Reviewed on 08/10/2015

(Contd. of page 9)

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Date of preparation / last revision 08/10/2015 / 1 · Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Met. Corr.1: Corrosive to metals, Hazard Category 1 Acute Tox. 2: Acute toxicity, Hazard Category 2 Acute Tox. 3: Acute toxicity, Hazard Category 3 Acute Tox. 1: Acute toxicity, Hazard Category 1 Acute Tox. 4: Acute toxicity, Hazard Category 4 Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A Carc. 1A: Carcinogenicity, Hazard Category 1A • \* Data compared to the previous version altered.

USA –