

## Safety Data Sheet

according to WHMIS

### VITA VM OPAQUE FLUID

Revision date: 23.02.2017

Product code: 168-CA

Page 1 of 6

## 1. Identification

### Product identifier

VITA VM OPAQUE FLUID

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

#### Use of the substance/mixture

Use as laboratory reagent

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

Company name: VITA Zahnfabrik H. Rauter GmbH &amp; Co. KG

Post-office box: 1338

79704 Bad Säckingen

Telephone: +49(0)7761-562-0

Telefax: +49(0)7761-562-299

e-mail: info@vita-zahnfabrik.com

Internet: www.vita-zahnfabrik.com

**Emergency telephone number:** +49-(0)761-19240

### Further Information

Use as laboratory reagent

## 2. Hazard identification

### Classification of the substance or mixture

#### WHMIS 2015

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage.

### Label elements

#### WHMIS 2015

**Signal word:** Danger**Pictograms:**

### Hazard statements

Causes severe skin burns and eye damage.

### Precautionary statements

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

### Other hazards

No information available.

## 3. Composition/information on ingredients

### Mixtures

## Safety Data Sheet

according to WHMIS

### VITA VM OPAQUE FLUID

Revision date: 23.02.2017

Product code: 168-CA

Page 2 of 6

#### Hazardous components

CAS No	Chemical name	Quantity
64-17-5	ethyl alcohol	1 - < 5 %

#### 4. First-aid measures

##### Description of first aid measures

###### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

###### After inhalation

Provide fresh air. Medical treatment necessary.

###### After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

###### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

###### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

##### Indication of immediate medical attention and special treatment needed

Treat symptomatically.

#### 5. Fire-fighting measures

##### Extinguishing media

###### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

##### Specific hazards arising from the hazardous product

Non-flammable.

##### Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

##### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### 6. Accidental release measures

##### Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

##### Environmental precautions

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

##### Reference to other sections

Safe handling: see section 7

## Safety Data Sheet

according to WHMIS

### VITA VM OPAQUE FLUID

Revision date: 23.02.2017

Product code: 168-CA

Page 3 of 6

Personal protection equipment: see section 8

Disposal: see section 13

## 7. Handling and storage

### Precautions for safe handling

#### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. Unsuitable container/equipment material: Metal.

#### Advice on storage compatibility

No special measures are necessary.

## 8. Exposure controls/Personal protection

### Control parameters

#### Exposure limits (ACGIH)

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	F/ml	Category	Origin
64-17-5	Ethanol	-	-		TWA (8 h)	ACGIH-2016
		1000			STEL (15 min)	ACGIH-2016

### Exposure controls



#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### Eye/face protection

Suitable eye protection: goggles.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Recommended glove articles KCL Dermatril PBreakthrough time (maximum wearing time) 480 NBR (Nitrile rubber)

#### Skin protection

Wear suitable protective clothing.

## Safety Data Sheet

according to WHMIS

### VITA VM OPAQUE FLUID

Revision date: 23.02.2017

Product code: 168-CA

Page 4 of 6

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Provide adequate ventilation as well as local exhaust at critical locations. Technical ventilation of workplace

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state: liquid  
 Colour: colourless  
 Odour: characteristic

#### Test method

pH-Value: 12,7

#### Changes in the physical state

Melting point: not determined  
 Initial boiling point and boiling range: 100 °C  
 Pour point: NBN 52014  
 Flash point: ?

#### Flammability

Solid: not applicable  
 Gas: not applicable  
 Lower explosive limits: not determined  
 Upper explosive limits: not determined

#### Auto-ignition temperature

Solid: not applicable  
 Gas: not applicable  
 Decomposition temperature: not determined

#### Oxidizing properties

Not oxidizing.  
 Vapour pressure: <=1100 hPa  
 (at 50 °C)  
 Density: 1,00000 g/cm<sup>3</sup>

#### Solubility in other solvents

not determined  
 Partition coefficient: not determined  
 Vapour density: not determined  
 Evaporation rate: not determined

#### Other information

Solid content: 0,0 %

## 10. Stability and reactivity

### Conditions to avoid

none

### Incompatible materials

Metal. Keep away from: Acid, Oxidising agent, Peroxide.

### Hazardous decomposition products

No known hazardous decomposition products.

## Safety Data Sheet

according to WHMIS

### VITA VM OPAQUE FLUID

Revision date: 23.02.2017

Product code: 168-CA

Page 5 of 6

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
64-17-5	ethyl alcohol				
	dermal	LD50 mg/kg	7060		

#### Irritation and corrosivity

Causes severe skin burns and eye damage.

#### Sensitizing effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

## 12. Ecological information

### Ecotoxicity

The product is not: Ecotoxic.

### Persistence and degradability

The product has not been tested.

### Bioaccumulative potential

The product has not been tested.

### Mobility in soil

The product has not been tested.

### Other adverse effects

No information available.

### Further information

Avoid release to the environment.

## 13. Disposal considerations

### Waste treatment methods

#### Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

## Safety Data Sheet

according to WHMIS

### VITA VM OPAQUE FLUID

Revision date: 23.02.2017

Product code: 168-CA

Page 6 of 6

#### 14. Transport information

##### Marine transport (IMDG)

**UN number:** UN 1824  
**United Nations proper shipping name:** SODIUM HYDROXIDE, SOLUTION  
**Transport hazard class(es):** 8  
**Packing group:** II  
 Hazard label: 8



Limited quantity: 1 L  
 Excepted quantity: E2  
 EmS: F-A, S-B

##### Air transport (ICAO-TI/IATA-DGR)

**UN number:** UN 1824  
**United Nations proper shipping name:** SODIUM HYDROXIDE, SOLUTION  
**Transport hazard class(es):** 8  
**Packing group:** II  
 Hazard label: 8



Limited quantity Passenger: 0.5 L  
 Passenger LQ: Y840  
 Excepted quantity: E2  
 IATA-packing instructions - Passenger: 851  
 IATA-max. quantity - Passenger: 1 L  
 IATA-packing instructions - Cargo: 855  
 IATA-max. quantity - Cargo: 30 L

##### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 15. Regulatory information

##### Canadian regulations

#### 16. Other information

##### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*