

Material Safety Data Sheet
According to 91/155 EEC

Printing date 09 12 2005

Reviewed on 15 06 2005

1 Identification of substance:

Product details:

Trade name: VITA In-Ceram Alumina Thinner

Manufacturer/Supplier:
VITA Zahnfabrik
H Rauter GmbH & Co KG

Vident Part Number: A87-255

Postfach 1338
D 79704 Bad Säckingen

Emergency Contact Info.
For U.S. and Canada: See last page

Information in case of emergency: Tel: ++49-(0)761-19240

Distributed By:
Vident

3150 E. Birch St.
Brea, CA 92821
Phone: 714-961-6200
Fax: 714-961-6299

Tel: ++49/(0)7761/562-0
Fax: ++49/(0)7761/562299

2 Composition/Data on components:

Chemical characterization

Description: Mixture of subsequently listed substances with harmless admixtures

Dangerous components:

CAS 67-63-0	propan-2-ol	 Xi,  F, R 11-36-67	25-50%
EINECS: 200-661-7			
CAS 67-64-1	acetone	 Xi,  F, R 11-36-66-67	25-50%
EINECS: 200-662-2			
CAS 141-78-6	ethyl acetate	 Xi,  F, R 11-36-66-67	25-50%
EINECS: 205-500-4			

3 Hazard identification

Hazard description:



Xi Irritant
F Highly flammable

Information concerning to particular hazards to man and environment

R 11 Highly flammable

R 36 Irritating to eyes

R 66 Repeated exposure may cause skin dryness or cracking

R 67 Vapours may cause drowsiness and dizziness

Classification system

The classification is according to the latest editions of the EU-lists, and extended by company and literature data

4 First aid measures

After inhalation

Supply fresh air

Seek medical treatment in case of complaints

After skin contact Immediately wash with water and soap and rinse thoroughly

After eye contact

Rinse open eye for several minutes with running water. If symptoms persist, consult a doctor

After swallowing Drink plenty of water and provide fresh air. Call for a doctor immediately

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5 Fire fighting measures*Suitable extinguishing agents Use fire extinguishing methods suitable to surrounding conditions***Protective equipment:***Wear self-contained respiratory protective device**Wear protective suit.***6 Accidental release measures****Person-related safety precautions:***Wear protective equipment. Keep unprotected persons away.**Use respiratory protective device against the effects of fumes/dust/aerosol**Avoid contact with substance***Measures for environmental protection:** *Do not allow to enter sewers/ surface or ground water***Measures for cleaning/collecting:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)**Ensure adequate ventilation.**Do not flush with water or aqueous cleansing agents***7 Handling and storage****Handling****Information for safe handling:***Ensure good ventilation/exhaustion at the workplace**Prevent formation of aerosols***Information about fire - and explosion protection:***Keep ignition sources away - Do not smoke.**Protect against electrostatic charges***Storage****Requirements to be met by storerooms and receptacles:** *Store in a cool place with good ventilation***Information about storage in one common storage facility:** *Not required***Further information about storage conditions:** *Store in cool, dry conditions in well sealed receptacles**** 8 Exposure controls and personal protection gear***Additional information about design of technical facilities: No further data; see item 7***Ingredients with limit values that require monitoring at the workplace:****67-63-0 propan-2-ol***OEL Short-term value: 1225 mg/m³, 500 ml/m³**Long-term value: 980 mg/m³, 400 ml/m³***67-64-1 acetone***OEL Short-term value: 3000 mg/m³, 1250 ml/m³**Long-term value: 2400 mg/m³, 1000 ml/m³***141-78-6 ethyl acetate***OEL: 1400 mg/m³, 400 ml/m³**Additional information: The lists valid during the making were used as basis***Personal protective equipment****General protective and hygienic measures** *Wash hands before breaks and at the end of work***Respiratory protection:***In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device**Use suitable respiratory protective device in case of insufficient ventilation*

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MSDS-0620
Rev: C
10-9-06

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Trade name: VITA In-Ceram Alumina Thinner

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Protection of hands:**Material of gloves**

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

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

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties:

General Information

Form: Fluid
Colour: Colourless
Odour: Characteristic

Change in condition

Melting point/Melting range: undetermined
Boiling point/Boiling range: undetermined

Flash point: < 20°C (AP)

Ignition temperature: 425°C

Self-igniting: Product is not selfigniting

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower: 2.0 Vol %
Upper: 13.0 Vol %

Vapour pressure at 20°C: 233 hPa

Density: Not determined

Solubility in / Miscibility with

Water: Partly miscible

Solvent content:

Organic solvents: 99.7 %

10 Stability and reactivity

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

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: Formation of peroxide is possible in contact with air.

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* **11 Toxicological information**

- **Acute toxicity:**
- **Primary irritant effect:**
on the eye: Irritating effect
- **Sensitization:** No sensitizing effects known
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version
Irritant

12 Ecological information:

- **General notes:**
At present there are no ecotoxicological assessments
Do not allow product to reach ground water, water course or sewage system

13 Disposal considerations

- **Product:**
Recommendation Disposal must be made according to official regulations
- **Uncleaned packaging:**
Recommendation: Disposal must be made according to official regulations

* **14 Transport information**

Land transport ADR/RID (cross-border)



- **ADR/RID class:** 3 Flammable liquids
- **Danger code (Kemler):** 33
- **UN-Number:** 1993
- **Packaging group:** II
- **Hazard label:** 3
- **Description of goods:** 1993 FLAMMABLE LIQUID, N O S (vapor pressure at 50°C at most 110 kPa)
(ACETONE, ETHYL ACETATE)

Maritime transport IMDG:



- **IMDG Class:** 3
- **UN Number:** 1993
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No

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Trade name: VITA In-Ceram Alumina Thinner

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Proper shipping name: FLAMMABLE LIQUID, N.O.S (ACETONE, ETHYL ACETATE)

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA Class: 3

UN/ID Number: 1993

Label: 3

Packaging group: II

Proper shipping name: FLAMMABLE LIQUID, N.O.S (ACETONE, ETHYL ACETATE)

15 Regulations

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

Code letter and hazard designation of product:

Xi Irritant

F Highly flammable

Risk phrases:

11 Highly flammable

36 Irritating to eyes

66 Repeated exposure may cause skin dryness or cracking

67 Vapours may cause drowsiness and dizziness.

Safety phrases:

7/9 Keep container tightly closed and in a well-ventilated place

16 Keep away from sources of ignition - No smoking

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

60 This material and its container must be disposed of as hazardous waste

National regulations

Technical instructions (air):

Class Share in %

III 50-100

Waterhazard class: undetermined

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.

Relevant R-phrases

11 Highly flammable

36 Irritating to eyes.

66 Repeated exposure may cause skin dryness or cracking

67 Vapours may cause drowsiness and dizziness

* Data compared to the previous version altered.

GB

SPILLS • EXPOSURES • POISONINGS	800-451-8346 or 760-602-8703
MSDS	INFO TO HAVE WHEN CALLING:
	• Product Name & Number • Manufacturer Name • Manufacturer Phone Number • UPC Code
MATERIAL SAFETY DATA SHEETS	24 HOURS A DAY 7 DAYS A WEEK 365 DAYS A YEAR
	24-7-3300 3E COMPANY 24HR Emergency & Compliance Service