

Ramsauer GmbH & Co KG  
4822 Bad Goisern / H.

Date printed 28.01.2015, Revision 28.01.2015

Version 01

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

### 1.1 Product identifier

**Stein 445**

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

#### 1.2.1 Relevant uses

Sealing material

#### 1.2.2 Uses advised against

None known.

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

#### Company

Ramsauer GmbH & Co KG  
Sarstein 17  
4822 Bad Goisern / H. / AUSTRIA  
Phone +43(0)6135 8205-0  
Fax +43(0)6135 8323  
Homepage [www.ramsauer.at](http://www.ramsauer.at)  
E-mail [office@ramsauer.at](mailto:office@ramsauer.at)

#### Address enquiries to

#### Technical information

[office@ramsauer.at](mailto:office@ramsauer.at)

#### Safety Data Sheet

[sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)

### 1.4 Emergency telephone number

#### Advisory body

+43 (0) 1 406 43 43 (24h)

#### Company

+43(0)6135 8205-0 (Mo.-Do.: 7.30-17.00, Fr.:7.30-12.00)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

No classification.

#### 2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

No classification.

### 2.2 Label elements

The product is required to be labelled in accordance with GHS/CLP-Directives.

#### Labelling according to Regulation (EC) 1272/2008

##### Hazard pictograms

none

##### Hazard statements

none

##### Special labelling

EUH210 Safety data sheet available on request.  
Product treated with biocide 2-Octyl-2H-isothiazol-3-one (CAS 26530-20-1).

### 2.3 Other hazards

#### Physico-chemical hazards

Contact with moisture liberates Methanol and Ethanol.

#### Environmental hazards

Does not contain any PBT or vPvB substances.

#### Other hazards

none

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**SECTION 3: Composition / Information on ingredients****Product-type:**

The product is a mixture.

Range [%]	Substance
1 - <5	Trimethoxy(methyl)silane
	CAS: 1185-55-3, EINECS/ELINCS: 214-685-0
	GHS/CLP: Flam. Liq. 2: H225 - Skin Irrit. 2: H315
	EEC: F-Xi, R 11-38

**Comment on component parts**

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.  
For full text of H-statements and R-phrases: see SECTION 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

Take off contaminated clothing and wash before reuse.

**Inhalation**

Ensure supply of fresh air.  
In the event of symptoms seek for medical treatment.

**Skin contact**

In case of contact with skin wash off with warm water.  
Consult a doctor if skin irritation persists.

**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.

**Ingestion**

Seek medical advice immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

Headache

**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**

Carbon dioxide.  
Water spray jet.  
Dry powder.  
Foam.

**Extinguishing media that must not be used**

Full water jet.

**5.2 Special hazards arising from the substance or mixture**

In the event of fire the following can be released:

Carbon monoxide (CO)

Nitrogen oxides (NOx).

**5.3 Advice for firefighters**

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

High risk of slipping due to leakage/spillage of product.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

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**6.3 Methods and material for containment and cleaning up**

Take up mechanically.

Take up residues with absorbent material (e.g. sand, sawdust, generalpurpose binder, diatomaceous earth).

Dispose of absorbed material in accordance within the regulations.

**6.4 Reference to other sections**

See SECTION 8+13

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Use only in well-ventilated areas.

No special measures necessary if used correctly.

Wash hands before breaks and after work.

Use barrier skin cream.

Do not eat, drink, smoke or take drugs at work.

Take off contaminated clothing and wash before reuse.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep only in original container.

Prevent penetration into the ground.

Do not store together with food and animal food/diet.

Keep container tightly closed.

Keep in a cool place. Store in a dry place.

**7.3 Specific end use(s)**

See product use, SECTION 1.2

**SECTION 8: Exposure controls / personal protection****8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

Range [%]	Substance
	Methanol
	CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, ECB-Nr.: 01-2119433307-44-xxxx
	Long-term exposure: 200 ppm, 266 mg/m <sup>3</sup> , Sk
	Short-term exposure (15-minute): 250 ppm, 333 mg/m <sup>3</sup>
	Ethanol
	CAS: 64-17-5, EINECS/ELINCS: 200-578-6, EU-INDEX: 603-002-00-5
	Long-term exposure: 1000 ppm, 1920 mg/m <sup>3</sup>

**Ingredients with occupational exposure limits to be monitored (EU)**

Range [%]	Substance / EC LIMIT VALUES
	Methanol
	CAS: 67-56-1, EINECS/ELINCS: 200-659-6, EU-INDEX: 603-001-00-X, ECB-Nr.: 01-2119433307-44-xxxx
	Eight hours: 200 ppm, 260 mg/m <sup>3</sup> , H

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## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation.
<b>Eye protection</b>	Safety glasses.
<b>Hand protection</b>	Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	Not required under normal conditions.
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale vapours. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, filter A.
<b>Thermal hazards</b>	no
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	pasty
<b>Color</b>	not determined
<b>Odor</b>	not determined
<b>Odour threshold</b>	not determined
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not determined
<b>Boiling point [°C]</b>	not applicable
<b>Flash point [°C]</b>	not applicable
<b>Flammability [°C]</b>	not determined
<b>Lower explosion limit</b>	not applicable
<b>Upper explosion limit</b>	not applicable
<b>Oxidizing properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	not determined
<b>Density [g/ml]</b>	not determined
<b>Bulk density [kg/m³]</b>	not applicable
<b>Solubility in water</b>	virtually insoluble
<b>Partition coefficient [n-octanol/water]</b>	not determined
<b>Viscosity</b>	not applicable
<b>Relative vapour density determined in air</b>	not determined
<b>Evaporation speed</b>	not determined
<b>Melting point [°C]</b>	not determined
<b>Autoignition temperature [°C]</b>	not applicable
<b>Decomposition temperature [°C]</b>	not determined

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

See SECTION 10.3.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

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### 10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

### 10.4 Conditions to avoid

See SECTION 7.2.

Strong heating.

### 10.5 Incompatible materials

Water.

### 10.6 Hazardous decomposition products

Contact with moisture liberates Methanol and Ethanol.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Range [%]	Substance
1 - <5	Trimethoxy(methyl)silane, CAS: 1185-55-3
	LD50, dermal, Rabbit: >9600 mg/kg (RTECS).
	LD50, oral, Rat: 11808 mg/kg (RTECS).

**Serious eye damage/irritation** not determined

**Skin corrosion/irritation** not determined

**Respiratory or skin sensitisation** not determined

**Specific target organ toxicity — single exposure** not determined

**Specific target organ toxicity — repeated exposure** not determined

**Mutagenicity** There is no evidence of any mutagenic effects.

**Reproduction toxicity** This product contains one or more substance(s) of categorie Repr. 2 (CLP). (CAS 870-08-6)

**Carcinogenicity** There is no evidence of any carcinogenic effects.

#### General remarks

No classification on the basis of the calculation procedure.  
Toxicological data of complete product are not available.  
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

## SECTION 12: Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

**Behaviour in environment compartments** not determined

**Behaviour in sewage plant** not determined

**Biological degradability** not determined

### 12.3 Bioaccumulative potential

not determined

### 12.4 Mobility in soil

not applicable

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## 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

## 12.6 Other adverse effects

Ecological data of complete product are not available.

# SECTION 13: Disposal considerations

## 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

### Product

For recycling, consult manufacturer.

Disposal in an incineration plant in accordance with the regulations of the local authorities.

### Waste no. (recommended)

070217

### Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

### Waste no. (recommended)

150102

# SECTION 14: Transport information

## 14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

## 14.2 UN proper shipping name

Transport by land according to  
ADR/RID

NO DANGEROUS GOODS

Inland navigation (ADN)

NO DANGEROUS GOODS

Marine transport in accordance with  
IMDG

NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA

NOT CLASSIFIED AS "DANGEROUS GOODS"

## 14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

## 14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

## 14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

## 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>EEC-REGULATIONS</b>	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC
<b>TRANSPORT-REGULATIONS</b>	DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).
<b>NATIONAL REGULATIONS (GB):</b>	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
<b>- Observe employment restrictions for people</b>	not applicable
<b>- VOC (1999/13/CE)</b>	~ 0 %

**15.2 Chemical safety assessment**

not applicable

**SECTION 16: Other information****16.1 R-phrases (SECTION 3)**

R 11: Highly flammable.  
R 38: Irritating to skin.

**16.2 Hazard statements (SECTION 3)**

H315 Causes skin irritation.  
H225 Highly flammable liquid and vapour.

**16.3 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
ELINCS = European List of Notified Chemical Substances  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
TLV®/TWA = Threshold limit value – time-weighted average  
TLV®STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

**16.4 Other information**

Classification procedure

Modified position none

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