According to 91/155 EEC



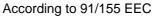
#### Printing date: 25.01.2018

Revision: 08.01.2018

<ul> <li>Tra ST</li> <li>Art 120</li> <li>Pro 1-c</li> <li>Re No</li> <li>Pro PC</li> </ul>	oduct identifier ade name: "AUF SPU 460 ticle number: 6110 oduct Group component SPU parquet adhesive elevant identified uses of the substance or mixture and uses advised against o further relevant information available.
ST • Artt 120 • Pro • Re No • Pro • PC	AUF SPU 460 ticle number: 6110 oduct Group component SPU parquet adhesive elevant identified uses of the substance or mixture and uses advised against
<ul> <li>Art 120</li> <li>Pro 1-c</li> <li>Re No</li> <li>Pro PC</li> </ul>	ticle number: 6110 oduct Group component SPU parquet adhesive elevant identified uses of the substance or mixture and uses advised against
120 • Pro 1-c • <b>Re</b> No • Pro PC	6110 oduct Group component SPU parquet adhesive elevant identified uses of the substance or mixture and uses advised against
<ul> <li>Pro 1-c</li> <li>Re No</li> <li>Pro PC</li> </ul>	oduct Group component SPU parquet adhesive elevant identified uses of the substance or mixture and uses advised against
1-c • <b>Re</b> No • Pro PC	component SPU parquet adhesive elevant identified uses of the substance or mixture and uses advised against
<ul> <li>Re</li> <li>No</li> <li>Pro</li> <li>PC</li> </ul>	elevant identified uses of the substance or mixture and uses advised against
No • Pro PC	
PC	
	oduct category C1 Adhesives, sealants
· • P	plication of the substance / the preparation
Ad	hesives
	etails of the supplier of the safety data sheet
	anufacturer/Supplier: AUF Klebstoffwerk GmbH
-	perhausener Strasse 1
	234 Wilnsdorf, Germany
	9-(0)2739-301-0 9-(0)2739-301-200
	Irther information obtainable from:
	ality management S@stauf.de
• En	nergency telephone number:
	ARECHEM24- EU, +44 1235 239670 Igland, +44 1865 407333
2 Ha	azards identification
	assification of the substance or mixture
• Cla Vo	assification according to Regulation (EC) No 1272/2008 vid
	bel elements
	belling according to Regulation (EC) No 1272/2008 azard pictograms
Vo	vid
<ul> <li>Sig Vo</li> </ul>	gnal word
• Ha	azard statements
Vo	id her hazards
	esults of PBT and vPvB assessment
• PB	
• vP	ot applicable. vB:
	applicable.
	mposition/information on ingredients
	xtures escription:
	xture of substances listed below with nonhazardous additions.

Polypropyleneglycol

% **5,00- 12,50** (Contd. on page 2)





Revision: 08.01.2018

Printing date: 25.01.2018

PRODUCT : STAUF SPU 460

() Acute Tox. 4 - H302

# (Contd. of page 1)

#### 04 First aid measures

- Description of first aid measures
  General information: No special measures required.
  After inhalation: Supply fresh air; consult doctor in case of complaints.
  After skin contact: If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.
  After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  After swallowing: Do not induce vomiting; call for medical help immediately.
  Information for doctor:
  Most important symptoms and effects, both acute and delayed No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed No further relevant information available.

#### 05 Firefighting measures

- Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
   Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.
- Advice for firefighters No special measures required.
- Protective equipment: Mouth respiratory protective device. Do not inhale explosion gases or combustion gases.

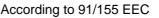
#### 06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Wear protective clothing.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.
   Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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.

### 07 Handling and storage

- Handling:
- Precautions for safe handling Avoid contact with eyes, skin and clothes. Use only in well ventilated areas.
- Information about fire and explosion protection:

(Contd. on page 3)





Printing date: 25.01.2018

Revision: 08.01.2018

#### PRODUCT : STAUF SPU 460

(Contd. of page 2)

No special measures required.

- · 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: Not required.
- Further information about storage conditions: Store in dry conditions. Keep container tightly sealed.
- Specific end use(s)
  - No further relevant information available.

#### 08 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplaceAdditional information:
  - The lists valid during the making were used as basis.
- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work, use skin care products. Avoid contact with the eyes and skin.
- Respiratory protection: Not necessary if room is well-ventilated. Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands: After use of gloves apply skin-cleaning agents and skin cosmetics.
- Material of gloves Butyl rubber, BR Nitrile rubber, NBR Natural rubber, NR
- Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Goggles recommended during refilling
- Body protection: Protective work clothing

Information on basic physical and ch	emical properties	
General Information		
Appearance:		
Form:	Fluid	
Colour:	Light beige	
Odour:	Characteristic	
Odour threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition		
Boiling point/Boiling range:	Undetermined.	
Flash point:	228 °C	
Flammability (solid, gaseous):	Not applicable.	
Ignition temperature:	391 °C	
Decomposition temperature:	Not determined.	



According to 91/155 EEC

Printing date: 25.01.2018

Revision: 08.01.2018

	(Contd. of page 3)
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density:	1,6000 - 1,7000 g/cm3
Solubility in / Miscibility with	
water:	reacts s.Point 10
Viscosity:	
Dynamic:	at 20 °C 100 - 140 Pa.s
Solvent content:	
VOC (EC)	0,00 %
Solids content:	65,5 %
Other information	No further relevant information available.

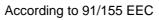
## **10** Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. Handling at room temperature.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid humidity and water
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products:
- No dangerous decomposition products known.
- Additional information: On contact with water (or humidity), small amounts of methanol.

### **11** Toxicological information

#### Information on toxicological effects

- Acute toxicity:
- LD/LC50 values relevant for classification:
- 2768-02-7 trimethoxyvinylsilane Oral, LD50: 7120 mg/kg (rat) Dermal, LD50: 3540 mg/kg (Rabbit) Inhalative, LC50/4h: 16,8 mg/l (rat)
- Primary irritant effect:
- on the skin:
  - No irritant effect.
- on the eye:
- Direct contact to eyes can be irritating.
- Sensitization:
  - No sensitising effects known.
- Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us. The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.





Printing date: 25.01.2018

Revision: 08.01.2018

RODUCT : STAUF SPU 460	
	(Contd. of page 4)
2 Ecological information	
<ul><li>Toxicity</li><li>Aquatic toxicity:</li></ul>	
	ilana
2768-02-7 trimethoxyvinylsi EC50 48h: 168,7 mg/l (daphnie)	liane
LC50/ 96h: 191 mg/l (fish)	
Persistence and degradability	
No further relevant information ava	
Behaviour in environmental sys	tems:
<ul> <li>Bioaccumulative potential No further relevant information available</li> </ul>	ailable
Mobility in soil	
No further relevant information ava	
Additional ecological information	on:
General notes:     De not allow product to reach grou	und water, water course or coware overlam
Results of PBT and vPvB asses	und water, water course or sewage system.
• PBT:	
Not applicable.	
• vPvB:	
Not applicable.  • Other adverse effects	
No further relevant information ava	ailable.
	g to official regulations. h household garbage. Do not allow product to reach sewage syster
	RE, FORMULATION, SUPPLY AND USE (MFSU) OF ES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS
wastes from MFSU of adhes products) 08 04 09	ives and sealants (including waterproofing
	nts containing organic solvents or other
dangerous substances	
-	
<ul><li>dangerous substances</li><li>Uncleaned packaging:</li><li>Recommendation:</li></ul>	
Uncleaned packaging:	to official regulations.
<ul><li>Uncleaned packaging:</li><li>Recommendation:</li></ul>	to official regulations.
<ul> <li>Uncleaned packaging:</li> <li>Recommendation: Disposal must be made according</li> </ul>	to official regulations.
<ul> <li>Uncleaned packaging:</li> <li>Recommendation: Disposal must be made according</li> </ul>	
Uncleaned packaging:     Recommendation:     Disposal must be made according <b>.4 Transport information</b> UN-Number	g to official regulations. Void Void
Uncleaned packaging:     Recommendation:     Disposal must be made according <b>.4 Transport information</b> UN-Number <i>ADR</i>	Void
Uncleaned packaging:     Recommendation:     Disposal must be made according <b>4 Transport information</b> UN-Number     ADR     IMDG     IATA	Void Void
Uncleaned packaging:     Recommendation:     Disposal must be made according <b>4 Transport information</b> UN-Number     ADR     IMDG	Void Void
Uncleaned packaging:     Recommendation:     Disposal must be made according      UN-Number     ADR     IMDG     IATA     UN proper shipping name	Void Void Void Void
<ul> <li>Uncleaned packaging:</li> <li>Recommendation: Disposal must be made according</li> <li>4 Transport information</li> <li>UN-Number ADR IMDG IATA</li> <li>UN proper shipping name ADR</li> </ul>	Void Void Void Void
<ul> <li>Uncleaned packaging:</li> <li>Recommendation: Disposal must be made according</li> <li>Unsposed must be made according</li> <li>UN-Number ADR IMDG IATA</li> <li>UN proper shipping name ADR IMDG IATA</li> <li>Transport hazard class(es)</li> </ul>	Void Void Void Void Void Void
<ul> <li>Uncleaned packaging:</li> <li>Recommendation: Disposal must be made according</li> <li>Unsport information</li> <li>UN-Number ADR IMDG IATA</li> <li>UN proper shipping name ADR IMDG IATA</li> </ul>	Void Void Void Void Void Void



According to 91/155 EEC

Printing date: 25.01.2018

Revision: 08.01.2018

		(Contd. of page 5)
IMDG		(conta. or page of
Class	Void	
ΙΑΤΑ		
Class	Void	
<ul> <li>Packing group</li> </ul>		
ADR	Void	
IMDG	Void	
ΙΑΤΑ	Void	
	o Annex II of MARPOL73/78 and t	he IBC Code
Not applicable.		
5 Regulatory information		
5 Regulatory information	ntal regulations/legislation specif	ic for the substance or

- Class Share in %
   2.5 5,99
   I
- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
   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.

- Relevant phrases
  - H302 Harmful if swallowed.
- Department issuing MSDS:
- quality management
- 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) RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association ICAO: International Civil Aviation Organisation GHS: Globally Harmonised System of Classification and Labelling of Chemicals CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative