

Safety Data Sheet

acc. to OSHA HCS

Printing date 12/09/2020

Reviewed on 12/09/2020

1 Identification

- **Product identifier**
- **Trade name:** STAUF R731
- **Details of the supplier of the safety data sheet**
- **Distributor:**
STAUF USA, LLC.
835 Herbert Rd
Cordova, TN 38018, USA
Phone 1-901-820-0007
Fax 1-901-820-0101

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 1
Reactivity = 0

- **WHMIS-ratings (scale 0 - 4)**



HEALTH 1 Health = 1
FIRE 1 Fire = 1
REACTIVITY 0 Reactivity = 0

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

25322-69-4	Polypropylenglykol	10-25%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complications.
- **After skin contact:** Generally the product does not irritate the skin.

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- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **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.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective clothing.
- **Environmental precautions:** 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).
- **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

25322-69-4	Polypropylenglykol	30 mg/m ³
2768-02-7	trimethoxyvinylsilane	9.5 ppm
13822-56-5	3-(trimethoxysilyl)propylamine	30 mg/m ³
20344-49-4	iron hydroxide oxide	24 mg/m ³
67-56-1	methanol	530 ppm

- **PAC-2:**

25322-69-4	Polypropylenglykol	330 mg/m ³
2768-02-7	trimethoxyvinylsilane	100 ppm
13822-56-5	3-(trimethoxysilyl)propylamine	330 mg/m ³
20344-49-4	iron hydroxide oxide	260 mg/m ³
67-56-1	methanol	2,100 ppm

- **PAC-3:**

25322-69-4	Polypropylenglykol	2,000 mg/m ³
2768-02-7	trimethoxyvinylsilane	120 ppm
13822-56-5	3-(trimethoxysilyl)propylamine	2,000 mg/m ³
20344-49-4	iron hydroxide oxide	1,600 mg/m ³

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67-56-1	methanol		
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7200* ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** 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:* None.
- **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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- *Additional information:* The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- *General protective and hygienic measures:*
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
- *Breathing equipment:* Not necessary if room is well-ventilated.
- *Protection of hands:* Not required.
- *Material of gloves:* Strong gloves
- *Eye protection:* Goggles recommended during refilling.
- *Body protection:* Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- *Appearance:*
- *Form:* Solid
- *Color:* According to product specification
- *Odor:* Characteristic
- *Odor threshold:* Not determined.
- **pH-value:** Not determined.
- **Change in condition**
- *Boiling point/Boiling range:* 224 °C (435.2 °F)
- **Flash point:** 173 °C (343.4 °F)
- **Flammability (solid, gaseous):** Not applicable.

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- **Ignition temperature:** 360 °C (680 °F)
- **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.
- **Vapor pressure:** Not determined.
- **Density at 20 °C (68 °F):** 1.65 g/cm³ (13.76925 lbs/gal)
- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with**
 - Water:* Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic at 20 °C (68 °F):* 150,000 mPas
 - Kinematic:* Not determined.
- **Solvent content:**
 - Organic solvents:* 0.0 %
 - VOC Content:* 0.01 %
 - 0.01 %
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **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.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

· *LD/LC50 values that are relevant for classification:*

25322-69-4 Polypropylenglykol

Oral	LD50	1,000-<2,000 mg/kg (Ratte)
Dermal	LD50	>2,000 mg/kg (rab)

- *Primary irritant effect:*
- *on the skin:* No irritant effect.

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- *on the eye:* No irritating effect.
- *Sensitization:* No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- *Carcinogenic categories*

· <i>IARC (International Agency for Research on Cancer)</i>

None of the ingredients is listed.

· <i>NTP (National Toxicology Program)</i>
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None of the ingredients is listed.

· <i>OSHA-Ca (Occupational Safety & Health Administration)</i>
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None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

25322-69-4 Polypropylenglykol	
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LC50/ 48h	>100 mg/ l (Brachydanio rerio)
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EL50/48h	>100 mg/l (Daphnia magna Wasserfloh)
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EC0	>100 mg/l (Desmodesmus subspicatus)
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- **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 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **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:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

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· *Canadian Ingredient disclosure list*

· *Limit 0,1%*

None of the ingredients is listed.

· *Limit 1%*

None of the ingredients is listed.

· *Carcinogenicity categories*

· *EPA (Environmental Protection Agency)*

None of the ingredients is listed.

· *TLV (Threshold Limit Value established by ACGIH)*

None of the ingredients is listed.

· *MAK (German Maximum Workplace Concentration)*

None of the ingredients is listed.

· *NIOSH-Ca (National Institute for Occupational Safety and Health)*

None of the ingredients is listed.

· **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.

· **Department issuing SDS:** Technical Department

· **Contact:**

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· **Date of preparation / last revision** 12/09/2020 / -

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