

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

## 1 Identification

- **Product identifier**
- **Trade name:** STAUF EFP-290 Part A
- **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  
www.staufusa.com

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Toxic to Reproduction 1A H360 May damage fertility or the unborn child.



GHS09 Environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irritation 2 H315 Causes skin irritation.  
 Eye Irritation 2A H319 Causes serious eye irritation.  
 Sensitization - Skin 1 H317 May cause an allergic skin reaction.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07



GHS08



GHS09

- **Signal word** Danger

- **Hazard-determining components of labeling:**

bis[4-(2,3-epoxypropoxy)phenyl]propane  
 Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.  
 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane  
 N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)

- **Hazard statements**

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.  
 H360 May damage fertility or the unborn child.  
 H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 2)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF EFP-290 Part A

(Contd. of page 1)

- **Precautionary statements**

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
 P264 Wash thoroughly after handling.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 If on skin: Wash with plenty of water.  
 P321 Specific treatment (see on this label).  
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Information pertaining to particular dangers for man and environment:**

- **Classification system:**

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



Health = 2  
 Fire = 0  
 Reactivity = 0

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



Health = \*2  
 Fire = 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:**

1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane	10-30%
14808-60-7	Quartz (SiO <sub>2</sub> )	5-10%
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	5-10%
100-51-6	Benzyl alcohol	1-5%
123-26-2	N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)	1-5%
68609-97-2	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	1-5%

- **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:** Immediately remove any clothing soiled by the product.

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

(Contd. on page 3)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF EFP-290 Part A

(Contd. of page 2)

- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
Immediately rinse with water.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **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:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire fighting measures that suit the environment.
- **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 product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.  
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).  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.
- **Protective Action Criteria for Chemicals**

**PAC-1:**

1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane	39 mg/m <sup>3</sup>
14808-60-7	Quartz (SiO <sub>2</sub> )	0.075 mg/m <sup>3</sup>
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	90 mg/m <sup>3</sup>
100-51-6	Benzyl alcohol	30 ppm

**PAC-2:**

1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane	430 mg/m <sup>3</sup>
14808-60-7	Quartz (SiO <sub>2</sub> )	8.3 mg/m <sup>3</sup>
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	990 mg/m <sup>3</sup>
100-51-6	Benzyl alcohol	52 ppm

**PAC-3:**

1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane	2,600 mg/m <sup>3</sup>
14808-60-7	Quartz (SiO <sub>2</sub> )	50 mg/m <sup>3</sup>

(Contd. on page 4)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF EFP-290 Part A

(Contd. of page 3)

25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	5,900 mg/m <sup>3</sup>
100-51-6	Benzyl alcohol	740 ppm

**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.

## 7 Handling and storage

**Precautions for safe handling**

- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.

**Information about protection against explosions and fires:** Keep respiratory protective device available.

**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:* Keep receptacle tightly sealed.
- Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Control parameters**
**Components with limit values that require monitoring at the workplace:**

- The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
- At this time, the other constituents have no known exposure limits.

**14808-60-7 Quartz (SiO<sub>2</sub>)**

PEL	Long-term value: 0.05* mg/m <sup>3</sup> *resp. dust; 30mg/m <sup>3</sup> /%SiO <sub>2</sub> +2
REL	Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m <sup>3</sup> *respirable particulate matter, A2

**100-51-6 Benzyl alcohol**

WEEL	Long-term value: 10 ppm
------	-------------------------

- Additional information:* The lists that were valid during the creation were used as basis.

**Exposure controls**

- Appropriate engineering controls** No further data; see section 7.

**Personal protective equipment:**

- General protective and hygienic measures:*
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

(Contd. on page 5)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF EFP-290 Part A

(Contd. of page 4)

- **Breathing equipment:**  
Not necessary if room is well-ventilated.  
Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:** Not required.
- **Material of gloves:** Butyl rubber, BR
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

### · **Information on basic physical and chemical properties**

#### · **General Information**

- |   |                                    |
|---|------------------------------------|
| · <b>Color:</b>                                   | According to product specification |
| · <b>Odor:</b>                                    | Characteristic                     |
| · <b>Odor threshold:</b>                          | Not determined.                    |
| · <b>Boiling point/Boiling range:</b>             | 2,230 °C (3630 °F)                 |
| · <b>Flammability:</b>                            | Not applicable.                    |
| · <b>Explosion limits:</b>                        |                                    |
| · <b>Lower:</b>                                   | Not determined.                    |
| · <b>Upper:</b>                                   | Not determined.                    |
| · <b>Flash point:</b>                             | Not applicable.                    |
| · <b>Decomposition temperature:</b>               | Not determined.                    |
| · <b>pH-value:</b>                                | Not determined.                    |
| · <b>Viscosity:</b>                               |                                    |
| · <b>Kinematic:</b>                               | Not determined.                    |
| · <b>Dynamic:</b>                                 | Not determined.                    |
| · <b>Solubility in / Miscibility with</b>         |                                    |
| · <b>Water:</b>                                   | Not determined.                    |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                    |
| · <b>Vapor pressure:</b>                          | Not determined.                    |
| · <b>Vapor pressure:</b>                          |                                    |
| · <b>Density:</b>                                 | Not determined.                    |
| · <b>Relative density</b>                         | Not determined.                    |
| · <b>Vapor density</b>                            | Not determined.                    |

#### · **Other information**

##### · **Appearance:**

- **Form:** Fluid

##### · **Important information on protection of health and environment, and on safety.**

- **Ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Solvent content:**
- **VOC Content:** 0.00 %  
0.00 %

##### · **Change in condition**

- **Evaporation rate** Not determined.

US

(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF EFP-290 Part A

(Contd. of page 5)

## 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:*

**25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane**

Inhalative	LC50 (static)	1.5 mg/l (fish)
------------	---------------	-----------------

**100-51-6 Benzyl alcohol**

Oral	LD50	1,230 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

**123-26-2 N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide)**

Oral	LD50	>2,000 mg/kg (rat)
------	------	--------------------

**68609-97-2 Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Oral	LD50	17,100 mg/kg (rat)
------	------	--------------------

- **Primary irritant effect:**
- *on the skin:* No irritant effect.
- *on the eye:* Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane	3
14808-60-7	Quartz (SiO <sub>2</sub> )	1

· **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO <sub>2</sub> )	K
------------	----------------------------	---

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

US

(Contd. on page 7)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF EFP-290 Part A

(Contd. of page 6)

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

**25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane**

EC50	11 mg/l (Selenastrum capricornutum) (72h)
	1.8 mg/l (Daphnia magna Wasserfloh) (48h)
NOEC	0.3 mg/l (Daphnia magna Wasserfloh) (21 Tg)

- **Persistence and degradability** No further relevant information available.

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects**

- **Remark:** Toxic for fish

- **Additional ecological information:**

- *General notes:*

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** If product has aged or solidified conventional means of disposal are acceptable.

- **Uncleaned packagings:**

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

- *Recommended cleansing agent:* Water, if necessary with cleansing agents.

## 14 Transport information

- **UN-Number**

- **DOT, ADR, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, ADR, IMDG, IATA** Void

- **Transport hazard class(es)**

- **DOT, ADR, ADN, IMDG, IATA**

- *Class* Void

- **Packing group**

- **DOT, ADR, IMDG, IATA** Void

- **Environmental hazards:** Not applicable.

- **Transport in bulk according to Annex II of**

**MARPOL73/78 and the IBC Code** Not applicable.

- **Special precautions for user** Not applicable.

(Contd. on page 8)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF EFP-290 Part A

· **UN "Model Regulation":**

Void

(Contd. of page 7)

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

· **Sara**

· *Section 355 (extremely hazardous substances):*

None of the ingredient is listed.

· *Section 313 (Specific toxic chemical listings):*

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· *Hazardous Air Pollutants*

None of the ingredients is listed.

· **Proposition 65**

· *Chemicals known to cause cancer:*

14808-60-7	Quartz (SiO <sub>2</sub> )
------------	----------------------------

· *Chemicals known to cause reproductive toxicity for females:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for males:*

None of the ingredients is listed.

· *Chemicals known to cause developmental toxicity:*

None of the ingredients is listed.

· **Canadian Ingredient disclosure list**

· *Limit 0,1%*

None of the ingredients is listed.

· *Limit 1%*

1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane
-----------	--

14808-60-7	Quartz (SiO <sub>2</sub> )
------------	----------------------------

100-51-6	Benzyl alcohol
----------	----------------

· **Carcinogenicity categories**

· *EPA (Environmental Protection Agency)*

None of the ingredients is listed.

· *TLV (Threshold Limit Value)*

14808-60-7	Quartz (SiO <sub>2</sub> )	
------------	----------------------------	--

A2

· *MAK (German Maximum Workplace Concentration)*

1675-54-3	bis[4-(2,3-epoxypropoxy)phenyl]propane	
-----------	--	--

3A

14808-60-7	Quartz (SiO <sub>2</sub> )	
------------	----------------------------	--

1

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

14808-60-7	Quartz (SiO <sub>2</sub> )
------------	----------------------------

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

US

(Contd. on page 9)



# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF EFP-290 Part A*(Contd. of page 8)*

## 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:** Wolfgang Stauf, Phone 901-820-0007, Email [wolfgang.stauf@staufusa.com](mailto:wolfgang.stauf@staufusa.com)
- **Date of preparation / last revision** 04/14/2025 / -
- **Abbreviations and acronyms:**

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - Skin 1: Skin sensitisation – Category 1

Toxic to Reproduction 1A: Reproductive toxicity – Category 1A

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

## 1 Identification

- **Product identifier**
- **Trade name:** STAUF ECP-290 Part B
- **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  
www.staufusa.com

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Skin Corrosion 1A      H314 Causes severe skin burns and eye damage.  
Eye Damage 1          H318 Causes serious eye damage.



GHS09 Environment

Aquatic Chronic 2      H411 Toxic to aquatic life with long lasting effects.



GHS07

Acute Toxicity - Oral 4    H302 Harmful if swallowed.  
Sensitization - Skin 1    H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS05    GHS07    GHS09

- **Signal word** Danger
- **Hazard-determining components of labeling:**  
3-aminomethyl-3,5,5-trimethylcyclohexylamine  
m-phenylenebis(methylamine)  
2,4,6-tris(dimethylaminomethyl)phenol  
cashew nut shell oil  
3-aminopropyl-diethylamine  
3-aminopropyl-dimethylamine
- **Hazard statements**  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.

(Contd. on page 2)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF ECP-290 Part B

(Contd. of page 1)

H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

P260 Do not breathe dusts or mists.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P310 Immediately call a poison center/doctor.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Information pertaining to particular dangers for man and environment:**

- **Classification system:**

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



Health = 3

Fire = 1

Reactivity = 0

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

HEALTH 3

Health = \*3

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:**

2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	10-30%
1477-55-0	m-phenylenebis(methylamine)	5-10%
8007-24-7	cashew nut shell oil	5-10%
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	3-7%
100-51-6	Benzyl alcohol	1-5%
104-78-9	3-aminopropyldiethylamine	0.1-1%
109-55-7	3-aminopropyldimethylamine	0.1-1%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

US

(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF ECP-290 Part B

(Contd. of page 2)

## 4 First-aid measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Do not induce vomiting; immediately call for medical help.

Immediately call a doctor.

Drink copious amounts of water and provide fresh air. Immediately call a 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:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

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

During heating or in case of fire poisonous gases are produced.

· **Advice for firefighters**

· **Protective equipment:** Mount respiratory protective device.

## 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Wear protective clothing.

· **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

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).

Use neutralizing agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF ECP-290 Part B

(Contd. of page 3)

**Protective Action Criteria for Chemicals**
**PAC-1:**

90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	6.5 mg/m <sup>3</sup>
100-51-6	Benzyl alcohol	30 ppm
104-78-9	3-aminopropyldiethylamine	1.7 mg/m <sup>3</sup>
109-55-7	3-aminopropyldimethylamine	1.2 ppm

**PAC-2:**

90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	6.6 ppm
100-51-6	Benzyl alcohol	52 ppm
104-78-9	3-aminopropyldiethylamine	18 mg/m <sup>3</sup>
109-55-7	3-aminopropyldimethylamine	13 ppm

**PAC-3:**

90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	40 ppm
100-51-6	Benzyl alcohol	740 ppm
104-78-9	3-aminopropyldiethylamine	110 mg/m <sup>3</sup>
109-55-7	3-aminopropyldimethylamine	89 ppm

**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.

## 7 Handling and storage

**Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.

**Information about protection against explosions and fires:** Keep respiratory protective device available.

**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:* Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Control parameters**
**Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

**1477-55-0 m-phenylenebis(methylamine)**

REL	Ceiling limit value: 0.1 mg/m <sup>3</sup> Skin
TLV	Ceiling limit value: 0.018 ppm Skin

(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF ECP-290 Part B

(Contd. of page 4)

## 100-51-6 Benzyl alcohol

WEEL Long-term value: 10 ppm

· *Additional information:* The lists that were valid during the creation were used as basis.

### · **Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

### · **Personal protective equipment:**

· *General protective and hygienic measures:*

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· *Breathing equipment:*

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

· *Protection of hands:*



Protective gloves

· *Material of gloves* Strong gloves

· *Eye protection:*



Tightly sealed goggles

· *Body protection:* Protective work clothing

## 9 Physical and chemical properties

### · **Information on basic physical and chemical properties**

#### · **General Information**

- |   |                                    |
|---|------------------------------------|
| · <i>Color:</i>                                   | According to product specification |
| · <i>Odor:</i>                                    | Characteristic                     |
| · <i>Odor threshold:</i>                          | Not determined.                    |
| · <i>Boiling point/Boiling range:</i>             | 205.4 °C (401.7 °F)                |
| · <i>Flammability:</i>                            | Not applicable.                    |
| · <i>Explosion limits:</i>                        |                                    |
| · <i>Lower:</i>                                   | Not determined.                    |
| · <i>Upper:</i>                                   | Not determined.                    |
| · <i>Flash point:</i>                             | 100 °C (212 °F)                    |
| · <i>Auto igniting:</i>                           | 435 °C (815 °F)                    |
| · <i>Decomposition temperature:</i>               | Not determined.                    |
| · <i>pH-value:</i>                                | Not determined.                    |
| · <i>Viscosity:</i>                               |                                    |
| · <i>Kinematic:</i>                               | Not determined.                    |
| · <i>Dynamic:</i>                                 | Not determined.                    |
| · <i>Solubility in / Miscibility with</i>         |                                    |
| · <i>Water:</i>                                   | Not determined.                    |
| · <i>Partition coefficient (n-octanol/water):</i> | Not determined.                    |
| · <i>Vapor pressure at 25 °C (77 °F):</i>         | ~0 hPa                             |

(Contd. on page 6)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF ECP-290 Part B

(Contd. of page 5)

- *Vapor pressure:*
- *Density:* Not determined.
- *Relative density:* Not determined.
- *Vapor density:* Not determined.
- **Other information**
- **Appearance:**
- *Form:* Fluid
- **Important information on protection of health and environment, and on safety.**
- *Ignition temperature:* Product is not selfigniting.
- *Danger of explosion:* Product does not present an explosion hazard.
- *Solvent content:*
- *VOC Content:* 0.00 %  
0.00 %
- **Change in condition**
- *Evaporation rate:* Not determined.

## 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:*

### 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Oral	LD50	1,030 mg/kg (ATE)
------	------	-------------------

### 1477-55-0 m-phenylenebis(methylamine)

Oral	LD50	1,040 mg/kg (rat)
------	------	-------------------

Inhalative	LC50/48 h	2.4 mg/l (rat)
------------	-----------	----------------

### 100-51-6 Benzyl alcohol

Oral	LD50	1,230 mg/kg (rat)
------	------	-------------------

Dermal	LD50	2,000 mg/kg (rabbit)
--------	------	----------------------

### 104-78-9 3-aminopropyldiethylamine

Oral	LD50	1,410 mg/kg (rat)
------	------	-------------------

Dermal	LD50	750 mg/kg (rabbit)
--------	------	--------------------

### 109-55-7 3-aminopropyldimethylamine

Oral	LD50	1,870 mg/kg (rat)
------	------	-------------------

Dermal	LD50	490 mg/kg (rabbit)
--------	------	--------------------

(Contd. on page 7)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF ECP-290 Part B

(Contd. of page 6)

- **Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:**  
Strong caustic effect.  
Strong irritant with the danger of severe eye injury.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful  
Corrosive  
Irritant  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach bodies of water or drainage ditch undiluted or unneutralized.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** If product has aged or solidified conventional means of disposal are acceptable.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 8)



# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF ECP-290 Part B

(Contd. of page 7)

· *Recommended cleansing agent:* Water, if necessary with cleansing agents.

## 14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1760
- **UN proper shipping name**
- **DOT** Corrosive liquids, n.o.s. (m-phenylenebis(methylamine), Isophoronediamine)
- **ADR** 1760 CORROSIVE LIQUID, N.O.S. (m-phenylenebis(methylamine), ISOPHORONEDIAMINE)
- **IMDG, IATA** CORROSIVE LIQUID, N.O.S. (m-phenylenebis(methylamine), ISOPHORONEDIAMINE)
- **Transport hazard class(es)**
- **DOT**



- **Class** 8 Corrosive substances
- **Label** 8

---

· **ADR, IMDG, IATA**



- **Class** 8 Corrosive substances
- **Label** 8
- **Packing group**
- **DOT, ADR, IMDG, IATA** II
- **Environmental hazards:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

---

· **Transport/Additional information:**

- **ADR**
- **Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml

---

· **IMDG**

- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml
- **Special precautions for user** Warning: Corrosive substances
- **Hazard identification number (Kemler code):** 80
- **EMS Number:** F-A,S-B
- **Stowage Category** B
- **Stowage Code** SW2 Clear of living quarters.

(Contd. on page 9)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF ECP-290 Part B

· **UN "Model Regulation":**

UN 1760 CORROSIVE LIQUID, N.O.S. (M-PHENYLENEBIS(METHYLAMINE), ISOPHORONEDIAMINE), 8, II

(Contd. of page 8)

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

· **Sara**

· *Section 355 (extremely hazardous substances):*

None of the ingredient is listed.

· *Section 313 (Specific toxic chemical listings):*

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· *Hazardous Air Pollutants*

None of the ingredients is listed.

· **Proposition 65**

· *Chemicals known to cause cancer:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for females:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for males:*

None of the ingredients is listed.

· *Chemicals known to cause developmental toxicity:*

None of the ingredients is listed.

· **Canadian Ingredient disclosure list**

· *Limit 0,1%*

None of the ingredients is listed.

· *Limit 1%*

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

1477-55-0 m-phenylenebis(methylamine)

100-51-6 Benzyl alcohol

104-78-9 3-aminopropyldiethylamine

· **Carcinogeny categories**

· *EPA (Environmental Protection Agency)*

None of the ingredients is listed.

· *TLV (Threshold Limit Value)*

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.

(Contd. on page 10)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/14/2025

Reviewed on 04/14/2025

**Trade name:** STAUF ECP-290 Part B*(Contd. of page 9)*

· **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:** Wolfgang Stauf, Phone 901-820-0007, Email wolfgang.stauf@staufusa.com
- **Date of preparation / last revision** 04/14/2025 / -

· **Abbreviations and acronyms:**

Acute Toxicity - Oral 4: Acute toxicity – Category 4

Skin Corrosion 1A: Skin corrosion/irritation – Category 1A

Eye Damage 1: Serious eye damage/eye irritation – Category 1

Sensitization - Skin 1: Skin sensitisation – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

US