Printing date 05/17/2023 Reviewed on 05/17/2023

### 1 Identification

· Product identifier

· Trade name: STAUF ECP-280 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 Fax 1-901-820-0101

## 2 Hazard(s) identification

· Classification of the substance or mixture



GHS06 Skull and crossbones

Acute Toxicity - Inhalation 3 H331 Toxic if inhaled.



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





GHS06 GHS07

Signal word Danger

· Hazard-determining components of labeling:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane

· Hazard statements

H331 Toxic if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

· Precautionary statements

P264 Wash thoroughly after handling.
P302+P352 If on skin: Wash with plenty of water.
P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P311 Call a poison center/doctor.

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.

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Trade name: STAUF ECP-280 Part A

P337+P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

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

regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2 Fire = 1 Reactivity = 0

· WHMIS-ratings (scale 0 - 4)



Health = 2 Fire = 1

- · 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:		
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	10-25%
16096-31-4	1,6-bis(2,3-epoxypropoxy)hexane	10-25%

· 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.

Remove breathing apparatus only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· After inhalation:

Supply fresh air or oxygen; call for 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.
- · 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.

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#### **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. 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: Mount respiratory protective device.

#### 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).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

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.

· Protective Action Criteria for Chemicals

· PAC-1:		
25068-38-6	25068-38-6 Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane 90 mg	
		10 mg/m³
		12 mg/m³
· PAC-2:		
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	990 mg/m <sup>3</sup>
1314-13-2	zinc oxide	15 mg/m³
7779-90-0 trizinc bis(orthophosphate)		36 mg/m <sup>3</sup>
PAC-3:		
25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	5,900 mg/m <sup>3</sup>
1314-13-2	zinc oxide	2,500 mg/m <sup>3</sup>
7779-90-0 trizinc bis(orthophosphate)		220 mg/m <sup>3</sup>

### 7 Handling and storage

- · Handling:
- · 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.

(Contd. on page 4)

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(Contd. of page 3)

- · 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

- · 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:

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.

· 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
- · Appearance:

Form: Fluid

Color: According to product specification

· Odor: Characteristic · Odor threshold: Not determined.

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(Contd. of page 4)

· pH-value: Not determined.

· Change in condition

Boiling point/Boiling range: Undetermined. 150 °C (302 °F) · Flash point: · Flammability (solid, gaseous): Not applicable. · 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): 2.02 g/cm<sup>3</sup> (16.8569 lbs/gal)

· Relative density Not determined. · Vapor density Not determined. Not determined. · Evaporation rate

· Solubility in / Miscibility with

Not miscible or difficult to mix. Water:

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined.

Kinematic at 20 °C (68 °F): 1,500-2,000 s (DIN 53211/4)

· Solvent content:

0.00 % VOC Content:

0.00 %

No further relevant information available. Other information

### 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.

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Trade name: STAUF ECP-280 Part A

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### 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 (Fisch)

- · 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:

Toxic

Irritant

- · 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:

#### 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.
- · 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 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.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

US

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Trade name: STAUF ECP-280 Part A

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#### 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.

### **14 Transport information**

· UN-Number

· DOT, ADR, IMDG, IATA UN2206

· UN proper shipping name

· **DOT** Isocyanates, toxic, n.o.s.

· **ADR** 2206 ISOCYANATES, TOXIC, N.O.S.

· IMDG ISOCYANATES, TOXIC, N.O.S., MARINE POLLUTANT

· IATA ISOCYANATES, TOXIC, N.O.S.

· Transport hazard class(es)

· DOT



· Class 6.1 Toxic substances

· Label 6.1

· ADR, IATA



· Class 6.1 Toxic substances

· Label

·IMDG



· Class 6.1 Toxic substances

· Label 6.1

· Packing group

· DOT, ADR, IMDG, IATA

• **Environmental hazards:** Product contains environmentally hazardous substances:

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with

(chloromethyl)oxirane

· Marine pollutant: Yes (DOT)

Symbol (fish and tree)

Special precautions for user Warning: Toxic substances

· Hazard identification number (Kemler code): 60

· EMS Number: F-A,S-A

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Trade name: STAUF ECP-280 Part A

· Stowage Category E

· Stowage Code SW1 Protected from sources of heat.

SW2 Clear of living quarters.

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:

· DOT

· Remarks: Special marking with the symbol (fish and tree).

· ADR

· Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· IMDG

Limited quantities (LQ)
 Excepted quantities (EQ)
 Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· <u>UN "Model Regulation":</u> UN 2206 ISOCYANATES, TOXIC, N.O.S. 6.1, III

### 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):

1314-13-2 zinc oxide

7779-90-0 trizinc bis(orthophosphate)

· 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.

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Trade name: STAUF ECP-280 Part A

	(Contd. of page 8)	
· Limit 1%		
1314-13-2 zinc oxide		
· Cancerogenity categories		
· EPA (Environmental Protection Agency)		
1314-13-2 zinc oxide	D, I, II	
7779-90-0 trizinc bis(orthophosphate)	D, I, II	
· 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.		
· Chemical safety assessment: A Chemical Safety Assessment has not been carrie	ed 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 05/17/2023
- · Abbreviations and acronyms:

Acute Toxicity - Inhalation 3: Acute toxicity - Category 3

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

US

Printing date 05/17/2023 Reviewed on 05/17/2023

#### 1 Identification

· Product identifier

· Trade name: STAUF ECP-280 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 Fax 1-901-820-0101

### 2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flammable Liquids 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

Germ Cell Mutagenicity 1B H340 May cause genetic defects.

Carcinogenicity 1B H350 May cause cancer.

Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.



**GHS05 Corrosion** 

Skin Corrosion 1A H314 Causes severe skin burns and eye damage.

Eye Damage 1 H318 Causes serious eye damage.



GHS07

Acute Toxicity - Oral 4 H302 Harmful if swallowed.

Acute Toxicity - Dermal 4 H312 Harmful in contact with skin.

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









GHS02 GHS05 GHS07 GHS08

· Signal word Danger

· Hazard-determining components of labeling: 3-aminomethyl-3,5,5-trimethylcyclohexylamine

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Solvent naphtha (petroleum), light arom. 2,4,6-tris(dimethylaminomethyl)phenol

· Hazard statements

H226 Flammable liquid and vapor.

H302+H312 Harmful if swallowed or in contact with skin. H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H340 May cause genetic defects.

H350 May cause cancer.

H304 May be fatal if swallowed and enters airways.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P260 Do not breathe dusts or mists.

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

P301+P310 If swallowed: Immediately call a poison center/doctor.

P321 Specific treatment (see on this label).

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

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.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

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

regulations.

· Classification system:

NFPA ratings (scale 0 - 4)



Health = 3 Fire = 2 Reactivity = 0

· WHMIS-ratings (scale 0 - 4)



Health = \*3 Fire = 2 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	2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine 50-1009			
64742-95-6	Solvent naphtha (petroleum), light arom.	25-50%		
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	2.5-10%		
123-86-4 n-butyl acetate ≤2		≤2.5%		

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Trade name: STAUF ECP-280 Part B

(Contd. of page 2)

· 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.

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.

- · 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.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 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:

Prevent seepage into sewage system, workpits and cellars.

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 item 13.

Ensure adequate ventilation.

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#### · 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.

#### · Protective Action Criteria for Chemicals

on ontona for ontonioalo			
· PAC-1:			
90-72-2 2,4,6-tris(dimethylaminomethyl)phenol 6.5 mg/m			
/l acetate	5 ppm		
tris(dimethylaminomethyl)phenol	72 mg/m³		
/l acetate	200 ppm		
tris(dimethylaminomethyl)phenol	430 mg/m³		
/l acetate	3000* ppm		
)			

### 7 Handling and storage

· Handling:

#### · 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 ignition sources away - Do not smoke.

Protect against electrostatic charges.

Prevent impact and friction.

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

- · 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 following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

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

At 111	At this time, the other constituents have no known exposure limits.			
123-	123-86-4 n-butyl acetate			
PEL	Long-term value: 710 mg/m³, 150 ppm			
REL	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm			
TLV	Short-term value: 150 ppm Long-term value: 50 ppm			
	(Contd. on page 5)			

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

· Exposure controls

· 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.

Do not inhale gases / fumes / aerosols.

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: Not required.
- · *Material of gloves* Butyl rubber, BR

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.

· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

#### 9 Physical and chemical properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Fluid

Color: According to product specification

Odor: CharacteristicOdor threshold: Not determined.pH-value: Not determined.

· Change in condition

Boiling point/Boiling range: Undetermined.

• Flash point: 58.5 °C (137.3 °F)

Flammability (solid, gaseous): Flammable.
 Ignition temperature: 450 °C (842 °F)
 Decomposition temperature: Not determined.

· **Auto igniting:** Product is not selfigniting.

· Danger of explosion: Not determined.

· Explosion limits:

Lower: 0.7 Vol %

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*Upper:* 7.5 Vol %

\_\_\_\_

· Vapor pressure at 20 °C (68 °F): 5 hPa (3.8 mm Hg)

• **Density at 20 °C (68 °F):** 0.9 g/cm³ (7.5105 lbs/gal)

Relative density
 Vapor density
 Evaporation rate
 Not determined.
 Not determined.

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined. Kinematic at 20 °C (68 °F): <50 s (DIN 53211/4)

· Solvent content:

 Organic solvents:
 28.0 %

 VOC Content:
 28.00 %

 28.00 %
 28.00 %

· 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:

	riouto toxiony:			
	· <i>LD/LC50</i> v	LD/LC50 values that are relevant for classification:		
2855-13-2 3-aminomethyl-3,5,5-trimethylcycloh			ethyl-3,5,5-trimethylcyclohexylamine	
	Oral	LD50	1,030 mg/kg (ATE)	
	64742-95-6 Solvent naphtha (petroleum), light arom.			
	Oral	LD50	>6,800 mg/kg (rat)	
	Dermal	LD50	>3,400 mg/kg (rab)	
	Inhalative	LC50/48 h	>10.2 mg/l (rat)	
	123-86-4 n-butyl acetate			
	Oral	LD50	14,000 mg/kg (rat)	
	Inhalative	LC50/48 h	>21 mg/l (rat)	

- · Primary irritant effect:
- on the skin: Caustic effect on skin and mucous membranes.

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· on the eve:

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.

The product can cause inheritable damage.

- · 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.
- · 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 danger class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

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

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

**-** U

(Contd. of page 6)

Printing date 05/17/2023 Reviewed on 05/17/2023

UN2733

Amines, flammable, corrosive, n.o.s. (Solvent naphtha

AMINES, FLAMMABLE, CORROSIVE, N.O.S. (Solvent naphtha (petroleum), light arom., ISOPHORONEDIAMINE)

2733 AMINES, FLAMMABLE, CORROSIVE, N.O.S. (Solvent naphtha (petroleum), light arom., ISOPHORONEDIAMINE)

(petroleum), light arom., Isophoronediamine)

Trade name: STAUF ECP-280 Part B

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### **14 Transport information**

· UN-Number

· DOT, ADR, IMDG, IATA

· UN proper shipping name

· DOT

· ADR

· IMDG, IATA

· Transport hazard class(es)

· DOT





3 Flammable liquids · Class

· Label 3, 8

· ADR





· Class 3 Flammable liquids 3+8

· Label

·IMDG





· Class 3 Flammable liquids · Label 3/8

·IATA





· Class 3 Flammable liquids

· Label 3(8)

· Packing group

· DOT, ADR, IMDG, IATA

· Environmental hazards: Not applicable.

· Special precautions for user Warning: Flammable liquids

· Hazard identification number (Kemler code): 38

· EMS Number: F-E.S-C

· Segregation groups (SGG18) Alkalis

· Stowage Category

· Stowage Code SW2 Clear of living quarters.

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Trade name: STAUF ECP-280 Part B

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Not applicable.

Segregation Code SG35 Stow "separated from" SGG1-acids

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Transport/Additional information:

· ADR

· Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· IMDG

Limited quantities (LQ)
 Excepted quantities (EQ)
 Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml UN 2733 AMINES, FLAMMABLE, CORROSIVE, N.O.S.

(SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM., ISOPHORONEDIAMINE), 3 (8), III

### 15 Regulatory information

· UN "Model Regulation":

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

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

123-86-4 n-butyl acetate

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· Cancerogenity 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.

#### · National regulations:

· Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- · Technical instructions (air):
- · Class Share in % Water danger class 3 (Self-assessment): extremely 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.

- · Department issuing SDS: Technical Department
- · Contact: Wolfgang Stauf, Phone 901-820-0007, Email wolfgang.stauf@staufusa.com
- · Date of preparation / last revision 05/17/2023
- · Abbreviations and acronyms:

Flammable Liquids 3: Flammable liquids – Category 3

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

Germ Cell Mutagenicity 1B: Germ cell mutagenicity - Category 1B

Carcinogenicity 1B: Carcinogenicity - Category 1B

Aspiration Hazard 1: Aspiration hazard - Category 1

US