# **Safety Data Sheet**

acc. to OSHA HCS

Printing date 06/16/2021 Reviewed on 04/14/2021

#### 1 Identification

- · Product identifier
- · Trade name: Dr. Schutz EP Prime Comp. B
- · Application of the substance / the mixture Coating compound/ Surface coating/ paint
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Supplier:

Dr. Schutz GmbH Holbeinstraße 17 D-53175 Bonn

Tel: +49 228/95 35 2-0 Fax: +49 228/95 35 2-46 E-Mail: export@dr-schutz.com

Import:

Schutz NA LLC

8701 Torresdale Ave

Suite P

Philadelphia PA 19136

USA

Tel.: +1 (877) 272-4889 Mobile: +1 610-310-2412 E-Mail: sam@dr-schutz.us Web: www.schutzna.com

- · Information department: Department for product development
- Emergency telephone number: GBK Gefahrgut Büro GmbH telephone: +49 (0)6132 84463

(24-Hour-Number)

### 2 Hazard(s) identification

· Classification of the substance or mixture



GHS08 Health hazard

Repr. 2 H361 Suspected of damaging fertility or the unborn child.



**GHS05 Corrosion** 

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

Skin Sens. 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 GHS08

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### · Signal word Danger

#### · Hazard-determining components of labeling:

benzyl alcohol

3-aminomethyl-3,5,5-trimethylcyclohexylamine

salicylic acid

m-phenylenebis(methylamine)

4,4'-Isopropylidenediphenole, oligomeric reaction product with 1-Chloro-2,3-epoxypropane, reaction product with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine

2-piperazin-1-ylethylamine

3-aminopropyldimethylamine

#### · Hazard statements

Harmful if swallowed or in contact with skin.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

Suspected of damaging fertility or the unborn child.

#### · Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dusts or mists.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

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

If swallowed: Call a poison center/doctor if you feel unwell.

If swallowed: Rinse mouth. Do NOT induce vomiting.

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

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

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

Immediately call a poison center/doctor.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Store locked up.

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

- · Information pertaining to particular dangers for man and environment:
- · NFPA ratings (scale 0 4)



Health = 3

Fire = 2 Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH 3
FIRE 2
REACTIVITY 0

Health = \*3

Fire = 2 Reactivity = 0

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

### 3 Composition/information on ingredients

· Identification number(s) WJP0-700P-E007-VKCA

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#### · Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous	components:	
100-51-6	benzyl alcohol	25-50%
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	10-25%
1477-55-0	m-phenylenebis(methylamine)	10-25%
	4,4'-Isopropylidenediphenole, oligomeric reaction product with 1-Chloro-2,3-epoxypropane, reaction product with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine	5-10%
	2-piperazin-1-ylethylamine	5-10%
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	1-5%
	salicylic acid	≥1-<3%
109-55-7	3-aminopropyldimethylamine	≥1-<5%

#### 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.
- · After eve contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

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

· After swallowing:

Immediately call a doctor.

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

Rinse out mouth and then drink plenty of water.

- · 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: Nicht anwendbar
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.
- · Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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#### 6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions:

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

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.

#### · 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:		
100-51-6	benzyl alcohol	30 ppm
140-31-8	2-piperazin-1-ylethylamine	6.4 mg/m³
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	6.5 mg/m <sup>3</sup>
109-55-7	3-aminopropyldimethylamine	1.2 ppm
· PAC-2:		
100-51-6	benzyl alcohol	52 ppm
140-31-8	2-piperazin-1-ylethylamine	71 mg/m³
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	72 mg/m³
109-55-7	3-aminopropyldimethylamine	
· PAC-3:		
100-51-6	benzyl alcohol	740 ppm
140-31-8	2-piperazin-1-ylethylamine	420 mg/m³
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	430 mg/m³
109-55-7	3-aminopropyldimethylamine	89 ppm

### 7 Handling and storage

- · Handling:
- · Precautions for safe handling

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace.

- · 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:

Keep receptacle tightly sealed.

Store receptacle in a well ventilated area.

· Specific end use(s) No further relevant information available.

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#### 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 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.

	100-51-6 benzyl alcohol		
WEEL	WEEL Long-term value: 10 ppm		
1477-5	1477-55-0 m-phenylenebis(methylamine)		
REL	Ceiling limit value: 0.1 mg/m³ Skin		
TLV	Ceiling limit value: 0.1 mg/m³, 0.018 ppm Skin		

- · 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.

Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

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.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

· Body protection: Light weight protective clothing

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9 Physical and chemical properties				
· Information on basic physical and chemical properties				
· General Information				
· Appearance:				
Form:	Fluid			
Color:	Yellowish			
· Odor: · Odor threshold:	Acrid Not determined.			
· pH-value at 20°C (68°F):	10			
· Change in condition				
Melting point/Melting range:	Undetermined.			
Boiling point/Boiling range:	Undetermined.			
· Flash point:	>60°C (>140°F) (Seta Flash Closed Cup)			
· Flammability (solid, gaseous):	Not determined.			
· Decomposition temperature:	Not determined.			
· Auto igniting:	Product is not selfigniting.			
· Danger of explosion:	Product does not present an explosion hazard.			
· Explosion limits:				
Lower:	1.3 Vol %			
Upper:	13 Vol %			
· Vapor pressure at 20°C (68°F):	0.1 hPa			
· Density at 20°C (68°F):	0.99 g/cm³ (8.262 lbs/gal)			
Relative density	Not determined.			
· Vapor density	Not applicable.			
Evaporation rate	Not applicable.			
· Solubility in / Miscibility with				
Water:	Insoluble.			
· Partition coefficient (n-octanol/wa	ter): Not determined.			
· Viscosity:				
Dynamic:	Not applicable.			
Kinematic:	Not applicable.			
· Solvent content:				
Organic solvents:	43.0 %			
VOC content ASTM D3960:	43.00 %			
· Other information	No further relevant information available.			

## 10 Stability and reactivity

- · Reactivity siehe Abschnitt "Möglichkeit gefährlicher Reaktionen"
- · Chemical stability keine Angaben
- · 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.

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· Hazardous decomposition products: No dangerous decomposition products known.

### 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50	· LD/LC50 values that are relevant for classification:				
100-51-6 l	100-51-6 benzyl alcohol				
Oral	LD50	1,230-1,620 mg/kg (rat)			
Dermal	LD50	2,000 mg/kg (rabbit)			
Inhalative	LC50/4h	>4,178 mg/l (rat) (OECD 403)			
1477-55-0	1477-55-0 m-phenylenebis(methylamine)				
Oral	LD50	1,040 mg/kg (rat)			
Inhalative	LC50/4h	2.4 mg/l (rat)			
140-31-8 2	140-31-8 2-piperazin-1-ylethylamine				
Oral	LD50	2,140 mg/kg (rat)			
Dermal	LD50	880 mg/kg (rabbit)			
69-72-7 sa	69-72-7 salicylic acid				
Oral	LD50	891 mg/kg (rat)			
109-55-7	109-55-7 3-aminopropyldimethylamine				
Oral	LD50	1,870 mg/kg (rat)			
	LD50	490 mg/kg (rabbit)			

- · Primary irritant effect:
- · on the skin: Strong caustic effect on skin and mucous membranes.
- · on the eye: Strong caustic effect.
- · Sensitization:

No sensitizing effects known.

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.

- US

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#### 12 Ecological information

- · Toxicity
- · Aquatic toxicity:

#### 100-51-6 benzyl alcohol

EC50/48h 230 mg/l (Daphnia magna) (OECD 202)

- · 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.
- · Ecotoxical effects:
- · Remark: Harmful to 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.

Harmful to aquatic organisms

- · 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:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

· UN-Number · DOT, ADR, IMDG, IATA	UN2735
· DOT, ADK, INIDG, IATA	UNZ133
· UN proper shipping name	
·DOT	Amines, liquid, corrosive, n.o.s. (m-
	phenylenebis(methylamine), 3-
	aminopropyldimethylamine)
· ADR	2735 AMINES, LIQUID, CORROSIVE, N.O.S. (m-
	phenylenebis(methylamine), 3-
	aminopropyldimethylamine)
· IMDG, IATA	AMINES, LIQUID, CORROSIVE, N.O.S. (m-
,	phenylenebis(methylamine), 3-
	aminopropyldimethylamine)

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## Dr. Schutz<sup>®</sup>

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#### · Transport hazard class(es)

· DOT



· Class 8 Corrosive substances

· Label

· ADR, IMDG, IATA



· Class 8 Corrosive substances

· Label

· Packing group

· DOT, ADR, IMDG, IATA Ш

· Environmental hazards: Not applicable.

· Special precautions for user Warning: Corrosive substances

· Hazard identification number (Kemler code): 80 · EMS Number: F-A,S-B · Segregation groups Alkalis · Stowage Category

· Segregation Code SG35 Stow "separated from" SGG1-acids

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

ADR

 Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 g

Maximum net quantity per outer packaging: 1000 g

· IMDG

· Limited quantities (LQ) 5L

· Excepted quantities (EQ) Code: E1

> Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g

UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (M-· UN "Model Regulation":

> PHENYLENEBIS (METHYLAMINE), 3-AMINOPROPYLDIMETHYLAMINE), 8, III

### 15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
- · Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

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· TSCA (Toxic Substances Control Act):			
100-51-6	benzyl alcohol	ACTIVE	
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	ACTIVE	
1477-55-0	m-phenylenebis(methylamine)	ACTIVE	
140-31-8	2-piperazin-1-ylethylamine	ACTIVE	
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	ACTIVE	
69-72-7	salicylic acid	ACTIVE	
109-55-7	3-aminopropyldimethylamine	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.

#### · Cancerogenity categories

#### · EPA (Environmental Protection Agency)

None of the ingredients is listed.

#### · TLV (Threshold Limit Value)

None of the ingredients is listed.

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

None of the ingredients is listed.

#### · GHS label elements

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

· Hazard pictograms







**GHS05 GHS07 GHS08** 

#### · Signal word Danger

#### · Hazard-determining components of labeling:

benzyl alcohol

3-aminomethyl-3,5,5-trimethylcyclohexylamine

salicylic acid

m-phenylenebis(methylamine)

4,4'-Isopropylidenediphenole, oligomeric reaction product with 1-Chloro-2,3-epoxypropane, reaction product with 3-Aminomethyl-3,5,5-trimethylcyclohexylamine

2-piperazin-1-ylethylamine

3-aminopropyldimethylamine

#### · Hazard statements

Harmful if swallowed or in contact with skin.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

Suspected of damaging fertility or the unborn child.

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Trade name: Dr. Schutz EP Prime Comp. B

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#### Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dusts or mists.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

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

If swallowed: Call a poison center/doctor if you feel unwell.

If swallowed: Rinse mouth. Do NOT induce vomiting.

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

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

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsina.

Immediately call a poison center/doctor.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Store locked up.

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

· 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: Department for product development
- · Contact: Dr. Reindl
- · Date of preparation / last revision 06/16/2021 / 8
- Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the

International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Tox. 4: Acute toxicity - Category 4

Skin Corr. 1B: Skin corrosion/irritation - Category 1B

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

Skin Sens. 1: Skin sensitisation – Category 1 Repr. 2: Reproductive toxicity – Category 2