





## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### PURE 110+, Comp. A

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#### Mixtures

##### Hazardous components

CAS No	Components	Quantity
9003-36-5	Bisphenol-F-epichlorohydrin resin MW <= 700	25 - 50 %
1675-54-3	2,2-Bis(4-glycidyoxyphenyl)propane	10 - 30 %
28064-14-4	Phenol, polymer with formaldehyde, glycidyl ether	< 20 %
30499-70-8	1,3-Propanediol, 2-ethyl-2(hydroxymethyl)-, polymer with (chloromethyl)oxirane	1 - 20 %

##### Further Information

The actual concentration is withheld as a trade secret.

#### 4. First-aid measures

##### Description of first aid measures

###### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. Change contaminated, saturated clothing.

###### After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

###### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

###### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

###### After ingestion

Rinse mouth thoroughly with water. Medical treatment necessary.

##### Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

May damage fertility or the unborn child.

##### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### 5. Fire-fighting measures

##### Extinguishing media

###### Suitable extinguishing media

Foam

Extinguishing powder

Water spray jet

Carbon dioxide (CO<sub>2</sub>)

###### Unsuitable extinguishing media

Full water jet

##### Specific hazards arising from the chemical

Pyrolysis products, toxic

Carbon monoxide

##### Special protective equipment and precautions for fire-fighters

In case of fire and/or explosion do not breathe fumes.

Wear a self-contained breathing apparatus and chemical protective clothing.



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#### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### 6. Accidental release measures

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

Provide adequate ventilation. Do not breathe gas/fume/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

##### Environmental precautions

Do not allow to enter into surface water or drains.

##### Methods and material for containment and cleaning up

Collect spillage. Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Sand.

Treat the recovered material as prescribed in the section on waste disposal.

Retain contaminated washing water and dispose it.

##### Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

#### 7. Handling and storage

##### Precautions for safe handling

###### **Advice on safe handling**

Use only outdoors or in a well-ventilated area.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

##### Conditions for safe storage, including any incompatibilities

###### **Requirements for storage rooms and vessels**

Keep container tightly closed.

Store in a place accessible by authorized persons only.

Keep only in the original container in a cool, well-ventilated place.

###### **Hints on joint storage**

Do not use for products which come into contact with the food stuffs.

Store in a well-ventilated place. Keep cool.

###### **Further information on storage conditions**

STORAGE: cool dry location, out of direct sunlight at 41 °F - 86 °F

#### 8. Exposure controls/personal protection

##### Control parameters

##### Exposure limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
14808-60-7	Silica, crystalline (as respirable dust)	-	0.05		TWA (8 h)	REL
14808-60-7	Silica, crystalline quartz, respirable dust	(Z-3)	(Z-3)		TWA (8 h)	PEL

##### Additional advice on limit values

This mixture includes quartz (silica) which is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded.

##### Exposure controls

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#### Appropriate engineering controls

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### Eye/face protection

Wear eye protection/face protection.

Wear safety goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

#### Hand protection

Wear chemical resistant protective gloves.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Should a respirator be needed, follow OSHA regulation for respirator use (29 CFR 1910.134). Wear an air-purifying NIOSH-certified (or equivalent) respirator (with a high efficiency particulate filter) as needed.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Paste	
Color:	light beige	
pH-Value:		not determined
<b>Changes in the physical state</b>		
Melting point/freezing point:		not determined
Initial boiling point and boiling range:		not determined
Flash point:		not applicable
<b>Flammability</b>		
Solid:		not determined
Gas:		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
<b>Auto-ignition temperature</b>		
Solid:		not determined
Gas:		not applicable
Decomposition temperature:		not determined
<b>Oxidizing properties</b>		
Not oxidising.		
Vapor pressure:		not determined
Density:		not determined

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Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

**Solubility in other solvents**  
not determined

Partition coefficient: not determined

Vapor density: not determined

Evaporation rate: not determined

**Other information**

Solid content: not determined

**10. Stability and reactivity****Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

No known hazardous reactions.

**Conditions to avoid**

Heat. Keep cool. Protect from sunlight.

**Incompatible materials**

No information available.

**Hazardous decomposition products**

No known hazardous decomposition products.

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
9003-36-5	Bisphenol-F-epichlorohydrin resin MW <= 700				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		
1675-54-3	2,2-Bis(4-glycidyloxyphenyl)propane				
	oral	LD50 11400 mg/kg	Rat		
30499-70-8	1,3-Propanediol, 2-ethyl-2(hydroxymethyl)-, polymer with (chloromethyl)oxirane				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		

**Irritation and corrosivity**

Causes severe skin burns and eye damage



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#### Sensitizing effects

May cause an allergic skin reaction (Bisphenol-F-epichlorohydrin resin MW  $\leq$  700; 2,2-Bis(4-glycidyloxyphenyl)propane; 1,3-Propanediol, 2-ethyl-2(hydroxymethyl)-, polymer with (chloromethyl)oxirane)

#### Carcinogenic/mutagenic/toxic effects for reproduction

May damage fertility or the unborn child (1,3-Propanediol, 2-ethyl-2(hydroxymethyl)-, polymer with (chloromethyl)oxirane)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA):

No ingredient of this mixture is listed.

Carcinogenicity (IARC):

Bisphenol A diglycidyl ether (Araldite) (CAS 1675-54-3) is listed in group 3. Silica dust, crystalline, in the form of quartz or cristobalite (CAS 14808-60-7) is listed in group 1.

Carcinogenicity (NTP):

No ingredient of this mixture is listed.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

## 12. Ecological information

#### Ecotoxicity

Toxic to aquatic life with long lasting effects.

#### Persistence and degradability

The product has not been tested.

#### Bioaccumulative potential

The product has not been tested.

#### Mobility in soil

The product has not been tested.

#### Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## 13. Disposal considerations

#### Waste treatment methods

##### Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

## 14. Transport information

US DOT 49 CFR 172.101

##### UN/ID number:

UN 1759

##### Proper shipping name:

CORROSIVE SOLID, N.O.S. (Trimethylolpropane triglycidyl ether, Bisphenol-F-Epoxy resin)

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**Transport hazard class(es):** 8

**Packing group:** III

Hazard label: 8



Limited quantity: 5 kg

### Marine transport (IMDG)

**UN number:** UN 1759

**UN proper shipping name:** CORROSIVE SOLID, N.O.S. (Trimethylolpropane triglycidyl ether, Bisphenol-A/F-Epoxy resin)

**Transport hazard class(es):** 8

**Packing group:** III

Hazard label: 8



Special Provisions: 223, 274

Limited quantity: 5 kg

Excepted quantity: E1

EmS: F-A, S-B

### Air transport (ICAO-TI/IATA-DGR)

**UN number:** UN 1759

**UN proper shipping name:** CORROSIVE SOLID, N.O.S. (Trimethylolpropane triglycidyl ether, Bisphenol-A/F-Epoxy resin)

**Transport hazard class(es):** 8

**Packing group:** III

Hazard label: 8



Special Provisions: A3 A803

Limited quantity Passenger: 5 kg

Passenger LQ: Y845

Excepted quantity: E1

IATA-packing instructions - Passenger: 860

IATA-max. quantity - Passenger: 25 kg

IATA-packing instructions - Cargo: 864

IATA-max. quantity - Cargo: 100 kg

### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



### Special precautions for user

No information available.

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable



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## 15. Regulatory information

### U.S. Regulations

#### National Inventory TSCA

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory

#### National regulatory information

RA Section 311/312 Hazards:

Bisphenol-F-epichlorohydrin resin MW  $\leq$  700 (9003-36-5): Immediate (acute) health hazard

2,2-Bis(4-glycidyloxyphenyl)propane (1675-54-3): Immediate (acute) health hazard

1,3-Propanediol, 2-ethyl-2(hydroxymethyl)-, polymer with (chloromethyl)oxirane (30499-70-8): Immediate (acute) health hazard

### State Regulations

#### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

#### Additional information

This mixture includes quartz (silica) which is firmly bound in the pasty component, and therefore not freely available during use, so that a risk of dust inhalation is excluded, thus the product does not cause a harm effect. Silica is listed in the Proposition 65 list.

## 16. Other information

### Hazardous Materials Information Label (HMIS)

Health:	3
Flammability:	1
Physical Hazard:	1
Personal Protection:	X

### NFPA Hazard Ratings

Health:	3
Flammability:	1
Reactivity:	1
Unique Hazard:	-
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### Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
EC50: Effective concentration, 50%  
ErC50: EC50 in terms of reduction of growth rate  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations (DRG) for the air transport (IATA)  
IARC: International Agency for Research on Cancer  
IMDG: International Maritime Code for Dangerous Goods  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
NFPA: National Fire Protection Association  
NIOSH: National Institute for Occupational Safety and Health  
NOEC: No Observed Effect Concentration  
NTP: National Toxicology Program  
OECD: Organisation for Economic Co-operation and Development



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OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
SARA: Superfund Amendments and Reauthorization Act  
TLV: Threshold Limit Values  
TSCA: Toxic Substances Control Act

**Other data**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*





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#### Hazards not otherwise classified

No information available.

### 3. Composition/information on ingredients

#### Mixtures

##### Hazardous components

CAS No	Components	Quantity
1950616-36-0	Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)	20 - 30 %
108-95-2	Phenol	3 - 10 %
1477-55-0	m-Phenylenebis(methylamine)	5 - 15 %
90-72-2	2,4,6-Tris(dimethylaminomethyl)phenol	1 - 5 %
100-51-6	Benzyl alcohol	1 - 5 %

#### Further Information

The actual concentration is withheld as a trade secret.

### 4. First-aid measures

#### Description of first aid measures

##### **General information**

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. Change contaminated, saturated clothing.

##### **After inhalation**

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

##### **After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

##### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

##### **After ingestion**

Rinse mouth thoroughly with water. Medical treatment necessary.

#### Most important symptoms and effects, both acute and delayed

Harmful if swallowed.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

Suspected of causing genetic defects.

May cause damage to organs through prolonged or repeated exposure.

#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### 5. Fire-fighting measures

#### Extinguishing media

##### **Suitable extinguishing media**

Foam

Extinguishing powder

Water spray jet

Carbon dioxide (CO<sub>2</sub>)



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**Unsuitable extinguishing media**

Full water jet

**Specific hazards arising from the chemical**Pyrolysis products, toxic  
Carbon monoxide**Special protective equipment and precautions for fire-fighters**In case of fire and/or explosion do not breathe fumes.  
Wear a self-contained breathing apparatus and chemical protective clothing.**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. Accidental release measures

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

Provide adequate ventilation. Do not breathe gas/fume/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Special danger of slipping by leaking/spilling product.

**Environmental precautions**

Do not allow to enter into surface water or drains.

**Methods and material for containment and cleaning up**Collect spillage. Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Sand.  
Treat the recovered material as prescribed in the section on waste disposal.  
Retain contaminated washing water and dispose it.**Reference to other sections**Safe handling: see section 7  
Personal protection equipment (PPE): see section 8  
Disposal: see section 13

## 7. Handling and storage

**Precautions for safe handling****Advice on safe handling**Use only outdoors or in a well-ventilated area.  
When using do not eat, drink or smoke.  
Wash hands before breaks and after work.**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**Keep container tightly closed.  
Store in a place accessible by authorized persons only.  
Keep only in the original container in a cool, well-ventilated place.**Hints on joint storage**Do not use for products which come into contact with the food stuffs.  
Store in a well-ventilated place. Keep cool.**Further information on storage conditions**

STORAGE: cool dry location, out of direct sunlight at 41 °F - 86 °F

## 8. Exposure controls/personal protection

**Control parameters**

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### Exposure limits

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
108-95-2	Phenol	5	19		TWA (8 h)	PEL
		5	19		TWA (8 h)	REL
		C 15.6	C 60		Ceiling	REL

### Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### Eye/face protection

Wear eye protection/face protection.

Wear safety goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

#### Hand protection

Wear chemical resistant protective gloves.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Should a respirator be needed, follow OSHA regulation for respirator use (29 CFR 1910.134). Wear an air-purifying NIOSH-certified (or equivalent) respirator (with a high efficiency particulate filter) as needed.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Paste
Color:	red
Odor:	characteristic
pH-Value:	not applicable
<b>Changes in the physical state</b>	
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not applicable
<b>Flammability</b>	
Solid:	not determined
Gas:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined

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**Auto-ignition temperature**

Solid: not determined  
Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

Not oxidising.

Vapor pressure: not determined

Density: not determined

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

**Solubility in other solvents**

not determined

Partition coefficient: not determined

Vapor density: not determined

Evaporation rate: not determined

**Other information**

Solid content: not determined

**10. Stability and reactivity****Reactivity**

see section 10.3

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

Violent reaction with: Oxidising agent

**Conditions to avoid**

see section 7.2

**Incompatible materials**

Oxidising agent, strong

**Hazardous decomposition products**

No known hazardous decomposition products.

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

Harmful if swallowed

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CAS No	Components				
	Exposure route	Dose	Species	Source	Method
108-95-2	Phenol				
	oral	LD50 317 mg/kg	Rat		
	dermal	LD50 630 mg/kg	Rabbit		
	inhalation vapour	ATE 3 mg/l			
	inhalation aerosol	ATE 0,5 mg/l			
1477-55-0	m-Phenylenebis(methylamine)				
	oral	LD50 930 mg/kg	Rat		
	dermal	LD50 2000 mg/kg	Rabbit		
	inhalation (1 h) vapour	LC50 3,89 mg/l	Rat		
	inhalation aerosol	ATE 1,5 mg/l			
90-72-2	2,4,6-Tris(dimethylaminomethyl)phenol				
	oral	ATE 500 mg/kg			
100-51-6	Benzyl alcohol				
	oral	LD50 1230 mg/kg	Rat	GESTIS	
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			

**Irritation and corrosivity**

Causes severe skin burns and eye damage

**Sensitizing effects**

May cause an allergic skin reaction (Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine); m-Phenylenebis(methylamine); 2,4,6-Tris(dimethylaminomethyl)phenol)

**Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of causing genetic defects (Phenol)

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - repeated exposure**

May cause damage to organs through prolonged or repeated exposure (Phenol)

Carcinogenicity (IARC): Phenol (CAS 108-95-2) is listed in group 3.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**12. Ecological information****Ecotoxicity**

The product is not: Ecotoxic.

**Persistence and degradability**

The product has not been tested.

**Bioaccumulative potential**

The product has not been tested.

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#### Mobility in soil

The product has not been tested.

#### Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 13. Disposal considerations

#### Waste treatment methods

##### **Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

#### US DOT 49 CFR 172.101

**UN/ID number:**

UN 3259

**Proper shipping name:**

AMINES, SOLID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine))

**Transport hazard class(es):**

8

**Packing group:**

II

Hazard label:

8



Limited quantity:

1 kg

#### Marine transport (IMDG)

**UN number:**

UN 3259

**UN proper shipping name:**

AMINES, SOLID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine))

**Transport hazard class(es):**

8

**Packing group:**

II

Hazard label:

8



Special Provisions:

274

Limited quantity:

1 kg

Excepted quantity:

E2

EmS:

F-A, S-B

#### Air transport (ICAO-TI/IATA-DGR)

**UN number:**

UN 3259

**UN proper shipping name:**

AMINES, SOLID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine))

**Transport hazard class(es):**

8

**Packing group:**

II

Hazard label:

8





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Special Provisions:	A3 A803	
Limited quantity Passenger:	5 kg	
Passenger LQ:	Y844	
Excepted quantity:	E2	
IATA-packing instructions - Passenger:		859
IATA-max. quantity - Passenger:		15 kg
IATA-packing instructions - Cargo:		863
IATA-max. quantity - Cargo:		50 kg

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### Special precautions for user

Warning: strongly corrosive.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

## 15. Regulatory information

### U.S. Regulations

#### **National Inventory TSCA**

All ingredients of this mixture are included on the TSCA Inventory.

#### **National regulatory information**

RA Section 302 Extremely hazardous substances:

Phenol (108-95-2): Reportable quantity = 1,000 lbs., Threshold planning quantity = 500/10,000 lbs.

RA Section 304 CERCLA:

Phenol (108-95-2): Reportable quantity = 1,000 (454) lbs. (kg)

RA Section 311/312 Hazards:

Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine) (1950616-36-0):

Immediate (acute) health hazard

Phenol (108-95-2): Immediate (acute) health hazard, Delayed (chronic) health hazard

m-Phenylenebis(methylamine) (1477-55-0): Immediate (acute) health hazard

2,4,6-Tris(dimethylaminomethyl)phenol (90-72-2): Immediate (acute) health hazard

Benzyl alcohol (100-51-6): Immediate (acute) health hazard

RA Section 313 Toxic release inventory:

Phenol (108-95-2): De minimis limit = 1.0 %, Reportable threshold = Standard

an Air Act Section 112(b):

Phenol (108-95-2)

### State Regulations

#### **Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

#### **Additional information**

A quartz (silica) contained, which is known to the State of California to cause cancer, is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded and the product does not cause any carcinogenic effect.

## 16. Other information

#### **Hazardous Materials Information Label (HMIS)**

Health: 3

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Flammability: 1  
Physical Hazard: 1  
Personal Protection: X

**NFPA Hazard Ratings**

Health: 3  
Flammability: 1  
Reactivity: 1  
Unique Hazard: -  
Revision date: 20.03.2020  
Revision No: 1,13

**Abbreviations and acronyms**

ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstracts Service  
CFR: Code of Federal Regulations  
EC50: Effective concentration, 50%  
ErC50: EC50 in terms of reduction of growth rate  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations (DRG) for the air transport (IATA)  
IARC: International Agency for Research on Cancer  
IMDG: International Maritime Code for Dangerous Goods  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
NFPA: National Fire Protection Association  
NIOSH: National Institute for Occupational Safety and Health  
NOEC: No Observed Effect Concentration  
NTP: National Toxicology Program  
OECD: Organisation for Economic Co-operation and Development  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
SARA: Superfund Amendments and Reauthorization Act  
TLV: Threshold Limit Values  
TSCA: Toxic Substances Control Act

**Other data**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*