

# VME - Comp. A

Product code: SDB0007US

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Print date: 21.04.2016

# 1. Identification

Product identifier VME - Comp. A

### Recommended use of the chemical and restrictions on use

### Use of the substance/mixture

Adhesive motar for fastening elements A-component (resin)

# Uses advised against

no restriction

# Details of the supplier of the safety data sheet

Company name: Street: Place: Telephone: Internet: <u>y data sheet</u> MKT Fastening LLC 1 Gunnebo Drive USA Lonoke, AR 72086 +1(501) 676-2222 www.mktfastening.com US Chemtrec: +1 800 424-9300 (24h)

Telefax:+1(501) 676-2524

# Emergency phone number:

### 2. Hazard(s) identification

### **Classification of the chemical**

### 29 CFR Part 1910.1200

Hazard categories: Skin corrosion/irritation: Skin Irrit. 2 Serious eye damage/eye irritation: Eye Irrit. 2A Respiratory or skin sensitization: Skin Sens. 1 Specific target organ toxicity repeated or prolonged exposure: STOT RE 1 Hazard Statements: Causes serious eye irritation Causes skin irritation May cause an allergic skin reaction Toxic to aquatic life with long lasting effects

# Label elements

### 29 CFR Part 1910.1200

Signal word: Warning

### Pictograms:



### Hazard statements

Causes serious eye irritation Causes skin irritation May cause an allergic skin reaction Toxic to aquatic life with long lasting effects

### Precautionary statements

Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention.





according to 29 CFR 1910.1200(g)

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If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse.

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

### Hazards not otherwise classified

People who are allergic to epoxide should avoid the use of the product.

### 3. Composition/information on ingredients

### <u>Mixtures</u>

### Hazardous components

CAS No	Components	Quantity
25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A- (epichlorhydrin)	25-50 %
9003-36-5	Reaction product: bisphenol-F-(epichlorhydrin) Epoxy resin (number average molecular weight =< 700)	10-20 %
16096-31-4	1,6-Bis(2,3-epoxypropoxy)hexane	10-20 %
	Alkyl Ester (Ref.: 722 43/00/2012.0028, Germany)	1-10 %
14808-60-7	Quartz (< 10µm) *	1-5 %

### **Further Information**

\* This mixture includes a fine fraction of crystalline quartz. However, alveolar permeability can be ruled out as the quartz is irreversibly bound into the paste-like component and therefore not freely available. Subsequent drilling, grinding or other treatment can also not result in the free availability of this alveolar permeable quartz. Pursuant to Article 6 of CLP Regulation 1272/2008/EU classification and labelling as SLOT RE 2 is not required.

SVHC Liste (Candidate List of Substances of Very High Concern for authorization): substances are not contained or are below 0,1%.

### 4. First-aid measures

#### **Description of first aid measures**

### **General information**

Take off immediately all contaminated clothing and wash it before reuse.

#### 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 immediately and drink plenty of water.

# Most important symptoms and effects, both acute and delayed

Allergic reactions

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

Treat symptomatically.

### 5. Fire-fighting measures

### Extinguishing media



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### Suitable extinguishing media

Extinguishing powder Water spray jet

# 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/vapors/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/fumes/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

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

#### Reference to other sections

Safe handling: see section 7 Personal protection equipment: 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.

#### Advice on protection against fire and explosion No special fire protection measures are necessary.

No special file protection measures are necessary.

# Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

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

# Advice on storage compatibility

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

### Further information on storage conditions

storage temperature : 5-35°C (41-95 F)

### 8. Exposure controls/personal protection

### **Control parameters**

Revision No: 1,04,0 - Replaces version: 1,03



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### Exposure limits

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CAS No.	Substance	ppm	mg/m³	f/cc	Category	Origin
14808-60-7	Silica, crystalline (as respirable dust)	-	0.05		TWA (8 h)	REL
14808-60-7	Silica, crystalline - alpha-quartz (respirable fraction)		0.025		TWA (8 h)	TLV
14808-60-7	Silica, crystalline quartz, respirable dust	(Z-3)	(Z-3)		TWA (8 h)	PEL
14808-60-7	Silica, crystalline quartz, total dust	-	(Z-3)		TWA (8 h)	PEL

### Exposure controls



### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection program. 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/face protection.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Wearing time with occasional contact (splashes): 0,7mm NBR (Nitrile rubber) >480min (EN374) Wearing time with permanent contact 0,7mm NBR (Nitrile rubber) >480min (EN374)

### Skin protection

Wear suitable protective clothing.

### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

### 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state: Color:	Paste light beige		
			Test method
pH-Value:		not determined	
Changes in the physical state			
Melting point/freezing point:		not determined	
Initial boiling point and boiling range:		not determined	
Flash point:		not applicable	
Flammability			
Solid:		not determined	
Gas:		not applicable	
Lower explosion limits:		not determined	



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Upper explosion limits:	not determined	
Auto-ignition temperature Solid: Gas:	not determined not applicable not determined	
Decomposition temperature:	not determined	
Oxidizing properties Not oxidizing.		
Vapor pressure:	not determined	
Density (at 20 °C):	1,49 g/cm³	
Water solubility:	insoluble	
Solubility in other solvents not determined		
Partition coefficient:	not determined	
Vapour 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

Violent reaction with: Oxidizing agent Violent reaction with: Alkali (Iye), Etchant and acids

# **Conditions to avoid**

none

### Incompatible materials

No information available.

# Hazardous decomposition products

No known hazardous decomposition products.

# **11. Toxicological information**

# Information on toxicological effects



# MKT Fastening LLC

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# Acute toxicity

CAS No	Components					
	Exposure route	Dose		Species	Source	
25068-38-6	6 epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)				epichlorhydrin)	
	oral	LD50	11400 mg/kg	Rat		
9003-36-5	Reaction product: bisphenol-F-(	epichlorhyd	lrin) Epoxy resin	(number average molecular	weight =< 700)	
	oral	LD50	> 2000 mg/kg	Rat		
	dermal	LD50	> 2000 mg/kg	Rabbit		
16096-31-4	1,6-Bis(2,3-epoxypropoxy)hexane					
	oral	LD50	2900 mg/kg	Rat		
	dermal	LD50	> 2000 mg/kg	Rat		
	Alkyl Ester (Ref.: 722 43/00/201	2.0028, Ge	rmany)			
	oral	LD50	20700 mg/kg	Mouse		
	dermal	LD50	2000 mg/kg	Rabbit		

### Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

### **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.

### 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**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

# 14. Transport information

US DOT 49 CFR 172.101	
<u>UN/ID number:</u>	UN 3077
Proper shipping name:	Environmentally hazardous substances, solid, n.o.s.
Transport hazard class(es):	9



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Packing group:	III	
Hazard label:	9	
Marine transport (IMDG)		
<u>UN number:</u>	UN 3077	
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S	S.
Transport hazard class(es):	9	
Packing group:	III	
Hazard label:	9	
Limited quantity:	5 kg	
Excepted quantity: EmS:	E1 F-A, S-F	
Air transport (ICAO)		
<u>UN number:</u>	UN 3077	
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S	5.
Transport hazard class(es):	9	
Packing group:		
Hazard label:	9	
Limited quantity Passenger: Passenger LQ: Excepted quantity:	30 kg G Y956 E1	
IATA-packing instructions - Passenger:	956	
IATA-max. quantity - Passenger: IATA-packing instructions - Cargo: IATA-max. quantity - Cargo:	400 kg 956 400 kg	
Environmental hazards		
ENVIRONMENTALLY HAZARDOUS:	no	
Special precautions for user No information available.		
Transport in bulk according to Annex II not applicable	of MARPOL 73/78 and the IBC Code	
15. Regulatory information		
U.S. Regulations		
National Inventory TSCA		
All chemical substances in this mate	erial are included on or exempted from listing on the TSCA Inventor	ry
National regulatory information		
(25068-38-6): Immediate (acute)	olecular weight <= 700), reaction product: bisphenol-A-(epichlorhyd ) health hazard epichlorhydrin) Epoxy resin (number average molecular weight =< 7	
(9003-36-5): Immediate (acute)		/



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1,6-Bis(2,3-epoxypropoxy)hexane (16096-31-4): Immediate (acute) health hazard Alkyl Ester (Ref.: 722 43/00/2012.0028, Germany) (-): Immediate (acute) health hazard Quartz (< 10μm) \* (14808-60-7): Delayed (chronic) health hazard

### State Regulations

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

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

# 16. Other information

### Hazardous Materials Information Label (HMIS)

Health:	2
Flammability:	1
Physical Hazard:	1
Personal Protection:	Х
NFPA Hazard Ratings	
Health:	2
Flammability:	1
Reactivity:	1
Unique Hazard:	-
Revision date:	21.04.2016
Revision No:	1,04,0



### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service LC50: Lethal concentration, 50% LD50: Lethal dose, 50%

### 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.)



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# 1. Identification

#### Product identifier VME - Comp. B

### Recommended use of the chemical and restrictions on use

### Use of the substance/mixture

compound mortar B-component (hardener)

# Uses advised against

no restriction

### Details of the supplier of the safety data sheet

Company name:
Street:
Place:
Telephone:
Internet:

MKT Fastening LLC 1 Gunnebo Drive USA Lonoke, AR 72086 +1(501) 676-2222 www.mktfastening.com US Chemtrec: +1 800 424-9300 (24h)

Telefax:+1(501) 676-2524

# Emergency phone number: 2. Hazard(s) identification

# **Classification of the chemical**

# 29 CFR Part 1910.1200

Hazard categories: Acute toxicity: Acute Tox. 4 Acute toxicity: Acute Tox. 4 Acute toxicity: Acute Tox. 3 Skin corrosion/irritation: Skin Corr. 1B Serious eye damage/eye irritation: Eye Dam. 1 Respiratory or skin sensitization: Skin Sens. 1 Germ cell mutagenicity: Muta. 2 Reproductive toxicity: Repr. 2 Specific target organ toxicity repeated or prolonged exposure: STOT RE 2 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 causing genetic defects Harmful to aquatic life with long lasting effects

# Label elements

### 29 CFR Part 1910.1200

Signal word: Danger

### **Pictograms:**



### 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 causing genetic defects Harmful to aquatic life with long lasting effects



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### **Precautionary statements**

Obtain special instructions before use. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. 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 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. Store locked up. Dispose of contents/container to to in accordance with local/regional/national/international regulation.

### Hazards not otherwise classified

This substance meets the PBT criteria of REACH, annex XIII. Contains Amines.May produce an allergic reaction.

### 3. Composition/information on ingredients

### <u>Mixtures</u>

### Hazardous components

CAS No	Components	Quantity
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	20-35 %
57214-10-5	Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis(methylamine)	10-25 %
100-51-6	benzyl alcohol	1-20 %
77138-45-5	Formaldehyde, oligomeric reaction products with 4,4 <sup>-</sup> -isopropylidenediphenol and diethylenetriamine	1-20 %
1477-55-0	m-Phenylenebis(methylamine)	1-20 %
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	1-10 %
108-95-2	phenol	1-10 %
111-40-0	2,2'-iminodiethylamine, diethylenetriamine	1-10 %
80-05-7	bisphenol A; 4,4'-isopropylidenediphenol	1-5 %
71074-89-0	Bis[(dimethylamino)methyl]phenol	1-5 %

### Further Information

SVHC Liste (Candidate List of Substances of Very High Concern for authorization): substances are not contained or are below 0,1%.

#### 4. First-aid measures

# Description of first aid measures

### **General information**

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 polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

# After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.



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### After ingestion

Rinse mouth immediately and drink plenty of water.

# Most important symptoms and effects, both acute and delayed

Allergic reactions

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

Treat symptomatically.

### 5. Fire-fighting measures

### **Extinguishing media**

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Extinguishing powder Water spray jet

#### 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/vapors/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. Use personal protection equipment. Special danger of slipping by leaking/spilling product.

#### **Environmental precautions**

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

### Methods and material for containment and cleaning up

Take up mechanically.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

# Reference to other sections

Safe handling: see section 7 Personal protection equipment: 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. Use protective skin cream before handling the product.



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#### Advice on protection against fire and explosion No special fire protection measures are necessary.

# Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

Keep container tightly closed. Keep/Store only in original container.

### Advice on storage compatibility

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

Keep container tightly closed in a cool place. storage temperature 5-35°C

### 8. Exposure controls/personal protection

### **Control parameters**

### Exposure limits

CAS No.	Substance	ppm	mg/m³	f/cc	Category	Origin
111-40-0	Diethylene triamine	1			TWA (8 h)	TLV
111-40-0	Diethylenetriamine	1	4		TWA (8 h)	REL
108-95-2	Phenol	5	19		TWA (8 h)	PEL
		5	19		TWA (8 h)	REL
		5			TWA (8 h)	TLV
		C 15.6	C 60		Ceiling	REL

### Biological Exposure Indices (BEI-ACGIH)

CAS No.	Substance	Determinant	Value	Test material	Sampling time
108-95-2	PHENOL	Phenol (with hydrolysis, creatinine)	250 mg/g	urine	End of shift

### Exposure controls



### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection program. 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

Suitable eye protection:Wear eye/face protection.

### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.



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Wearing time with occasional contact (splashes): 0,7mm NBR (Nitrile rubber) >480min (EN374) Wearing time with permanent contact 0,7mm NBR (Nitrile rubber) >480min (EN374)

# Skin protection

Wear suitable protective clothing.

# **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

### 9. Physical and chemical properties

### Inf

3.1 hysical and chemical properties				
Information on basic physical and ch	emical properties			
Physical state:	Paste			
Color:	black / red			
Odor:	characteristic			
			Test method	
pH-Value:		not applicable		
Changes in the physical state				
Melting point/freezing point:		not determined		
Initial boiling point and boiling range:		not determined		
Flash point:		not applicable		
Flammability				
Solid:		not determined		
Gas:		not applicable		
Lower explosion limits:		not determined		
Upper explosion limits:		not determined		
Auto-ignition temperature				
Solid:		not determined		
Gas:		not applicable		
Decomposition temperature:		not determined		
Oxidizing properties Not oxidizing.				
Vapor pressure:		not determined		
Density (at 20 °C):		1,07 g/cm <sup>3</sup>		
Water solubility:		insoluble		
Solubility in other solvents not determined				
Partition coefficient:		not determined		
Vapour density:		not determined		
Evaporation rate:		not determined		
Other information				
Solid content:		not determined		
10 Stability and reactivity				

# 10. Stability and reactivity

### **Reactivity**

see section 10.3 **Chemical stability** 



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The product is stable under storage at normal ambient temperatures.

# Possibility of hazardous reactions

Violent reaction with: Oxidizing agent

# Conditions to avoid

see section 7.2

# Incompatible materials

Oxidizing agent, strong

### Hazardous decomposition products

No known hazardous decomposition products.

### 11. Toxicological information

# Information on toxicological effects

### **ATEmix calculated**

ATE (oral) 907,7 mg/kg; ATE (dermal) 1194,4 mg/kg; ATE (inhalative vapour) 5,53 mg/l; ATE (inhalative aerosol) 2,191 mg/l



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# Acute toxicity

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CAS No	Components				
	Exposure route	Dose		Species	Source
2855-13-2	2 3-aminomethyl-3,5,5-trimethylcyclohexylamine				
	oral	LD50	1030 mg/kg	Rat	
	dermal	ATE	1100 mg/kg		
100-51-6	benzyl alcohol				
	oral	LD50	1230 mg/kg	Rat	GESTIS
	dermal	LD50	2000 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50	> 4,178 mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		
1477-55-0	m-Phenylenebis(methylamine	)			
	oral	LD50	930 mg/kg	Rat	
	dermal	LD50	2000 mg/kg	Rabbit	
	inhalative (1 h) vapour	LC50	3,89 mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol				
	oral	LD50	2169 mg/kg	Rat	
	dermal	LD50	> 808 mg/kg	Rat	
108-95-2	phenol			-	
	oral	LD50	317 mg/kg	Rat	
	dermal	LD50	630 mg/kg	Rabbit	
	inhalative vapour	ATE	3 mg/l		
	inhalative aerosol	ATE	0,5 mg/l		
111-40-0	2,2'-iminodiethylamine, diethyl	enetriamine	•		
	oral	LD50	1080 mg/kg	Rat	
	dermal	LD50	1054 mg/kg	Rabbit	
80-05-7	bisphenol A; 4,4'-isopropylider	nediphenol			
	oral	LD50	3250 mg/kg	Rat	
	dermal	LD50	3000 mg/kg	Rabbit	

### Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

# 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.

### Mobility in soil

The product has not been tested.



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### 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

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

US DOT 49 CFR 172.101	
<u>UN/ID number:</u>	UN 3259
Proper shipping name:	AMINES, SOLID, CORROSIVE, N.O.S.
Transport hazard class(es):	8
Packing group:	III
Hazard label:	8
Marine transport (IMDG)	
<u>UN number:</u>	UN 3259
UN proper shipping name:	AMINES, SOLID, CORROSIVE, N.O.S.
Transport hazard class(es):	8
Packing group:	III
Hazard label:	8
Limited quantity:	5 kg
Excepted quantity:	E1
EmS:	F-A, S-B
Air transport (ICAO)	
<u>UN number:</u>	UN 3259
UN proper shipping name:	AMINES, SOLID, CORROSIVE, N.O.S.
Transport hazard class(es):	8
Packing group:	III
Hazard label:	8
	8
Limited quantity Passenger:	5 kg <sup>˜</sup>
Passenger LQ:	Y845
Excepted quantity:	E1
IATA-packing instructions - Passenger:	860



a solid connection	according to 29 CFR 1910.1200(g)	
	VME - Comp. B	
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IATA-max. quantity - Passenger: IATA-packing instructions - Cargo: IATA-max. quantity - Cargo:	25 kg 864 100 kg	
Special precautions for user		
No information available.		
	ex II of MARPOL 73/78 and the IBC Code	
not applicable		
15. Regulatory information		
U.S. Regulations		
National Inventory TSCA		
	naterial are included on or exempted from listing on the	e TSCA Inventory
National regulatory information		
SARA Section 302 Extremely ha		500/10 000 lba
SARA Section 304 CERCLA:	le quantity = 1,000 lbs., Threshold planning quantity =	500/10,000 lbs.
	le quantity = 1,000 (454) lbs. (kg)	
SARA Section 311/312 Hazards:		
	/lcyclohexylamine (2855-13-2): Immediate (acute) heal	th hazard
	imediate (acute) health hazard	densine) (57044.40 5)
	action products with phenol and m-phenylenebis(methy	/lamine) (57214-10-5):
Immediate (acute) health haz	action products with 4,4 <sup>2</sup> -isopropylidenediphenol and d	iethylenetriamine (77138
-45-5): Immediate (acute) he		
	e) (1477-55-0): Immediate (acute) health hazard	
	yl)phenol (90-72-2): Immediate (acute) health hazard	
	e (acute) health hazard, Delayed (chronic) health haza	
	ylenetriamine (111-40-0): Immediate (acute) health haz	ard
	80-05-7): Immediate (acute) health hazard	
SARA Section 313 Toxic release	nenol (71074-89-0): Immediate (acute) health hazard	
	nis limit = 1.0 %, Reportable threshold = Standard	
	80-05-7): De minimis limit = 1.0 %, Reportable thresho	old = Standard
Clean Air Act Section 112(b):		
Phenol (108-95-2)		
State Regulations		
	nforcement Act of 1986 (Proposition 65, State of Ca	
•	ns the following chemical(s) known to the State of Calif ve harm: Bisphenol A (BPA) (reproductive).	ornia to cause cancer,
16. Other information		
Hazardous Materials Information	Label (HMIS)	
Health:	2	
Flammability:	1	
Physical Hazard:	1	
Personal Protection:	X	



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NFPA Hazard Ratings		
Health:	2	
Flammability:	1	
Reactivity:	1	<b>X</b> - <b>X</b>
Unique Hazard:	-	$\checkmark$
Changes		
Revision date:	21.04.2016	
Revision No:	1,04,0	
This data sheet contains	changes from the previous version in section(s): 5,8	8,9,10.
Abbreviations and acronyn	ns	
ADR: Accord européen su (European Agreement co IMDG: International Marit IATA: International Air Tra GHS: Globally Harmonize EINECS: European Inven	ur le transport des marchandises dangereuses par ncerning the International Carriage of Dangerous G ime Code for Dangerous Goods insport Association ed System of Classification and Labelling of Chemic itory of Existing Commercial Chemical Substances f Notified Chemical Substances Service	Goods by Road) cals
Other data		
present-day knowledge. T named in this safety data	escribes exclusively the safety requirements of the p The information is intended to give you advice about sheet, for storage, processing, transport and dispo-	t the safe handling of the product sal. 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.)