

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878



Article No.: 4 06762 BN000 epple 06762 NEW
Print date 11.05.2023 Revision date 11.05.2023
Version 7.0 11.05.2023

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Article No. (manufacturer/supplier): 4 06762 BN000
Trade name/designation epple 06762 NEW
cast resin
Component B
UFI: AG40-G0NR-8004-7SE1

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses:

Casting resin for casting electronic and other components.

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

E. Epple & Co. GmbH

Hertzstr. 8

71083 Herrenberg

Telephone: +49 7032 / 9771-17

Telefax: +49 7032 / 9771-60

www.epple-chemie.de

Department responsible for information:

laboratory

E-mail (competent person)

labor@epple-chemie.de

1.4. Emergency telephone number

Information center against poisoning Bonn

+49 (0) 228 / 19 240 (Advice in German)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

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

Acute Tox. 4 / H302

Acute toxicity (oral)

Harmful if swallowed.

Skin Corr. 1B / H314

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Eye Dam. 1 / H318

Serious eye damage/eye irritation

Causes serious eye damage.

Skin Sens. 1 / H317

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Aquatic Chronic 3 / H412

Hazardous to the aquatic environment

Harmful to aquatic life with long lasting effects.

2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Danger

Hazard statements

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements

P260

Do not breathe vapour.

P273

Avoid release to the environment.

P280

Wear protective gloves.

P301 + P330 + P331

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P362 + P364

Take off contaminated clothing and wash it before reuse.

P501

Dispose of contents / container to a certified waste management company.

Hazard components for labelling

benzyl alcohol

Reaction products of 3-aminomethyl-3,5,5-trimethylcyclohexylamine and 4,4'-isopropylidenediphenol, oligomeric

Reaction product with 1-chloro-2,3-epoxypropane

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3-aminomethyl-3,5,5-trimethyl-cyclohexylamine
m-phenylenebis(methylamine)

Supplemental hazard information

not applicable

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description modified aminic hardener

Hazardous ingredients

Classification according to Regulation (EC) No 1272/2008 [CLP]

| EC No. CAS No. Index No. | REACH No. Designation classification: // Remark | weight-% |
|--|---|-------------|
| 500-101-4 38294-64-3 | 01-2119965165-33 Reaction products of 3-aminomethyl-3,5,5-trimethylcyclohexylamine and 4,4'-isopropylidenediphenol, oligomeric Reaction product with 1-chloro-2,3-epoxypropane Skin Corr. 1B H314 / Skin Sens. 1A H317 / Aquatic Chronic 3 H412 | 24,9 - 49,9 |
| 202-859-9 100-51-6 603-057-00-5 | 01-2119492630-38 benzyl alcohol Acute Tox. 4 H332 / Acute Tox. 4 H302 Acute toxicity estimate (ATE): ATE (oral): 1230 mg/kg bw / ATE (inhalation, vapour): 4,17 mg/L | 24,9 - 49,9 |
| 220-666-8 2855-13-2 612-067-00-9 | 01-2119514687-32 3-aminomethyl-3,5,5-trimethyl-cyclohexylamine Acute Tox. 4 H302 / Skin Corr. 1B H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317 Specific concentration limit (SCL): Skin Sens. 1A H317 >= 0,001 Acute toxicity estimate (ATE): ATE (oral): 1030 mg/kg bw | 9,9 - 19,9 |
| 216-032-5 1477-55-0 | 01-2119480150-50 m-phenylenebis(methylamine) Acute Tox. 4 H302 / Acute Tox. 4 H332 / Skin Corr. 1B H314 / Skin Sens. 1B H317 / Aquatic Chronic 3 H412 Acute toxicity estimate (ATE): ATE (oral): 930 mg/kg bw | 9,9 - 19,9 |
| 200-712-3 69-72-7 607-732-00-5 | 01-2119486984-17 salicylic acid Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Repr. 2 H361 / STOT SE 3 H335 Acute toxicity estimate (ATE): ATE (oral): 891 mg/kg bw | 0,9 - 2,4 |

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

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

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medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. **Most important symptoms and effects, both acute and delayed**

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. **Indication of any immediate medical attention and special treatment needed**

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. **Extinguishing media**

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. **Special hazards arising from the substance or mixture**

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. **Advice for firefighters**

Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways. Cool closed containers that are near the source of the fire.

SECTION 6: Accidental release measures

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

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. **Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. **Methods and material for containment and cleaning up**

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. **Reference to other sections**

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. **Precautions for safe handling**

Advices on safe handling

Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Follow the legal protection and safety regulations.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. **Conditions for safe storage, including any incompatibilities**

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. **Specific end use(s)**

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters *

Occupational exposure limit values

not applicable

DNEL:

benzyl alcohol

Index No. 603-057-00-5 / EC No. 202-859-9 / CAS No. 100-51-6

DNEL acute dermal, short-term (systemic), Workers: 47 mg/kg bw/day

DNEL long-term dermal (systemic), Workers: 9,5 mg/kg

DNEL acute inhalative (systemic), Workers: 450 mg/m³

DNEL long-term inhalative (systemic), Workers: 90 mg/m³

3-aminomethyl-3,5,5-trimethyl-cyclohexylamine

Index No. 612-067-00-9 / EC No. 220-666-8 / CAS No. 2855-13-2

DNEL long-term inhalative (local), Workers: 0,073 mg/m³

m-phenylenebis(methylamine)

EC No. 216-032-5 / CAS No. 1477-55-0

DNEL long-term dermal (systemic), Workers: 0,33 mg/kg

DNEL long-term inhalative (local), Workers: 0,2 mg/m³

DNEL long-term inhalative (systemic), Workers: 1,2 mg/m³

PNEC:

benzyl alcohol

Index No. 603-057-00-5 / EC No. 202-859-9 / CAS No. 100-51-6

PNEC aquatic, freshwater: 1 mg/L

PNEC aquatic, marine water: 0,1 mg/L

PNEC aquatic, intermittent release: 2,3 mg/L

PNEC sediment, freshwater: 5,27 mg/kg

PNEC sediment, marine water: 0,527 mg/kg

PNEC, soil: 0,456 mg/kg

PNEC sewage treatment plant (STP): 39 mg/L

3-aminomethyl-3,5,5-trimethyl-cyclohexylamine

Index No. 612-067-00-9 / EC No. 220-666-8 / CAS No. 2855-13-2

PNEC aquatic, freshwater: 0,06 mg/L

PNEC aquatic, marine water: 0,006 mg/L

PNEC aquatic, intermittent release: 0,23 mg/L

PNEC sediment, freshwater: 5,784 mg/kg

PNEC sediment, marine water: 0,578 mg/kg

PNEC sewage treatment plant (STP): 3,18 mg/L

m-phenylenebis(methylamine)

EC No. 216-032-5 / CAS No. 1477-55-0

PNEC aquatic, freshwater: 0,094 mg/L

PNEC aquatic, marine water: 0,009 mg/L

PNEC aquatic, intermittent release: 0,152 mg/L

PNEC sediment, freshwater: 0,43 mg/kg

PNEC sediment, marine water: 0,043 mg/kg

PNEC, soil: 0,045 mg/kg

PNEC sewage treatment plant (STP): 10 mg/L

8.2. Exposure controls *

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If the workplace limit values (AGW) are exceeded, a suitable breathing apparatus must be worn. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Use filter / combination filter according to EN 14387.

Suitable respiratory protection apparatus: ABEK-P2

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear eye glasses with side protection according to EN 166.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state: | Liquid |
| Appearance: | Liquid |
| Colour: | translucent |
| Odour: | Amines |
| Odour threshold: | not applicable |
| Melting point/freezing point: | -15 °C Source: benzyl alcohol |
| Initial boiling point and boiling range: | 206 °C Source: benzyl alcohol |
| Flammability: | Combustible liquid. |
| Lower and upper explosion limit: | |
| Lower explosion limit: | 1,22 Vol-% Source: benzyl alcohol |
| Upper explosion limit: | 13 Vol-% Source: benzyl alcohol |
| Flash point: | 94 °C |
| Auto-ignition temperature: | 435 °C Source: benzyl alcohol |
| Decomposition temperature: | not applicable |
| pH at 20 °C: | not relevant |
| Cinematic viscosity (40°C): | 742,57 mm²/s |
| Viscosity at 20 °C: | 0,5 - 1,0 Pa*s |
| Solubility(ies): | |
| Water solubility at 20 °C: | partially miscible |
| Partition coefficient: n-octanol/water: | see section 12 |
| Vapour pressure at 20 °C: | 0,027 mbar Source: benzyl alcohol |
| Density and/or relative density: | |
| Density at 20 °C: | 1,01 g/cm³ |
| Relative vapour density: | not applicable |
| particle characteristics: | not applicable |
| 9.2. Other information | |
| Solvent separation test: | < 3 weight-% (ADR/RID) |

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

not applicable

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 *

Acute toxicity

Harmful if swallowed.

benzyl alcohol

oral, LD50, Rat: 1230 mg/kg

dermal, LD50, Rabbit: 2000 mg/kg

inhalative (Gases), LC50, Rat: > 4,178 ppmV (4 h)

3-aminomethyl-3,5,5-trimethyl-cyclohexylamine

oral, LD50, Rat: 1030 mg/kg

dermal, LD50, Rat: > 2000 mg/kg

m-phenylenebis(methylamine)

oral, LD50, Rat: 930 mg/kg

dermal, LD50, Rat: > 2000 mg/kg

dermal, LD50, Rabbit: 2000 mg/kg

inhalative (vapours), LC50, Rat: 2,4 mg/L (4 h)

inhalative (vapours), LC50, Rat: 3,89 mg/L (1 h)

salicylic acid

oral, LD50, Rat: 891 mg/kg

Skin corrosion/irritation; Serious eye damage/eye irritation

Causes severe skin burns and eye damage.

benzyl alcohol

eyes, Rabbit: Evaluation Irritating to eyes.

Method: OECD 405

Skin, Rabbit: Evaluation no skin irritation

Method: OECD 404

m-phenylenebis(methylamine)

Skin, Rabbit (24 h): Evaluation strongly irritant.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

benzyl alcohol

Skin, Guinea pig: ; Evaluation not sensitising.

Method: OECD 406

m-phenylenebis(methylamine)

Skin, Mouse: ; Evaluation Sensitising

Method: OECD 429

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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m-phenylenebis(methylamine)
Germ cell mutagenicity; Evaluation No mutagenic effect
genotoxicity; Evaluation negative
Method: OECD 471 (Ames test)
Ames test; Salmonella typhimurium
genotoxicity; Evaluation negative
Method: OECD 473
in-vitro; Chromosomal aberrations in mammalian cells; Hamster
genotoxicity; Evaluation negative
Method: OECD 476
in-vitro; Mouse-lymphoma-cells
genotoxicity; Evaluation negative
Method: OECD 474
in-vivo; Mouse; oral

STOT-single exposure; STOT-repeated exposure

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

Aspiration hazard

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

Practical experience/human evidence

Causes burns. The preparation may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect. Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

Overall assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself .

11.2. **Information on other hazards**

Endocrine disrupting properties

No information available.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

Do not allow to enter into surface water or drains.

12.1. **Toxicity**

benzyl alcohol

Fish toxicity, LC50, Pimephales promelas (fathead minnow): 460 mg/L (96 h)

Method: EPA 600/3-76/097

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 230 mg/L (48 h)

Method: OECD 202

Daphnia toxicity, LC50, Daphnia magna (Big water flea): 360 mg/L (48 h)

Algae toxicity, EC0, Scenedesmus quadricauda: 640 mg/L (96 h)

Algae toxicity, EC50, Pseudokirchneriella subcapitata: 770 mg/L (72 h)

Method: OECD 201

Bacteria toxicity, EC10, Pseudomonas putida: 658 mg/L (16 h)

3-aminomethyl-3,5,5-trimethyl-cyclohexylamine

Fish toxicity, LC50, Leuciscus idus (golden orfe): 110 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 23 mg/L (48 h)

Daphnia toxicity, EC50: 44 mg/L (24 h)

Algae toxicity, EC50: 37 mg/L (72 h)

Bacterial toxicity, EC10, Pseudomonas putida: 1120 mg/L (18 h)

m-phenylenebis(methylamine)

Fish toxicity, LC50, Oryzias latipes (Ricefish): 87,6 mg/L (96 h)

Method: OECD 203

semistatic

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 15,2 mg/L (48 h)

Method: OECD 202

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semistatic
Algae toxicity, ErC50, Selenastrum capricornutum: 32,1 mg/L (72 h)
Method: OECD 201
static test
Bacteria toxicity, EC50, Activated sludge: > 1000 mg/L
Method: OECD 209
static test

Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

m-phenylenebis(methylamine)

Daphnia toxicity, NOEC, Daphnia magna (Big water flea): 4,7 mg/L (21 d)

Method: OECD 211

Algae toxicity, NOEC, Pseudokirchneriella subcapitata: 10,5 mg/L (72 h)

Method: OECD 201

Daphnia toxicity, LOEC, Daphnia magna (Big water flea): 15 mg/L (21 d)

Method: OECD 211

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 8,4 mg/L (21 d)

Method: OECD 211

Daphnia toxicity, LC50, Daphnia magna (Big water flea): 6,77 mg/L (21 d)

Method: OECD 211

Bacterial toxicity, EC50, Activated sludge: > 1000 mg/L (30 min.)

Method: OECD 209

12.2. Persistence and degradability

*

benzyl alcohol

Biodegradation: 92 - 96 % (28 d); Evaluation Readily biodegradable

Method: OECD 301C

Biodegradation: 95 - 97 % (21 d); Evaluation Readily biodegradable

Method: OECD 301A

m-phenylenebis(methylamine)

Biodegradation, aerobic: 49 % (28 d); Evaluation Not readily biodegradable

Method: OECD 301B

Activated sludge

12.3. Bioaccumulative potential

benzyl alcohol

Partition coefficient: n-octanol/water: 1,05

m-phenylenebis(methylamine)

Partition coefficient: n-octanol/water: 0,18

Bioconcentration factor (BCF)

m-phenylenebis(methylamine)

Bioconcentration factor (BCF), Cyprinus carpio (Common Carp): < 0,3

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Observe in addition any national regulations!

List of proposed waste codes/waste designations in accordance with EWC

080409* Waste adhesives and sealants containing organic solvents or other dangerous substances

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package

Dispose of packaging and contaminated filters at a official hazardous waste incinerator facility.

Recommendation:

Waste codes / waste designations according to EWC / AVV: 15 01 10*

Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1. UN number or ID number

UN 2735

14.2. UN proper shipping name

Land transport (ADR/RID):

Amines, liquid, corrosive, n.o.s.

(m-phenylenbis(methylamine))

Sea transport (IMDG):

AMINES, LIQUID, CORROSIVE, N.O.S.

(m-phenylenbis(methylamine))

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

Amines, liquid, corrosive, n.o.s.

(m-phenylenbis(methylamine))

14.3. Transport hazard class(es)

8

14.4. Packing group

II

14.5. Environmental hazards

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

Tunnel restriction code

E

Sea transport (IMDG)

EmS-No.

F-A, S-B

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

EU legislation

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC-value (in g/L): 299

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.

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Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

For professional use only. Product is not intended for consumer use.

Substance/product listed in the following inventories:

AICS no information
 DSL no information
 EHS no information
 IECSC no information
 KECI no information
 MITI no information
 NZLoC no information
 PICCS no information
 TCSI no information
 TSCA no information

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

| EC No. CAS No. | Designation | REACH No. |
|-------------------------|--|------------------|
| 500-101-4 38294-64-3 | Reaction products of 3-aminomethyl-3,5,5-trimethylcyclohexylamine and 4,4'-isopropylidenediphenol, oligomeric Reaction product with 1-chloro-2,3-epoxypropane | 01-2119965165-33 |
| 202-859-9 100-51-6 | benzyl alcohol | 01-2119492630-38 |
| 220-666-8 2855-13-2 | 3-aminomethyl-3,5,5-trimethyl-cyclohexylamine | 01-2119514687-32 |
| 216-032-5 1477-55-0 | m-phenylenebis(methylamine) | 01-2119480150-50 |
| 200-712-3 69-72-7 | salicylic acid | 01-2119486984-17 |

SECTION 16: Other information

Full text of classification in section 3:

| | | |
|--------------------------|--------------------------------------|--|
| Skin Corr. 1B / H314 | Skin corrosion/irritation | Causes severe skin burns and eye damage. |
| Skin Sens. 1A / H317 | Respiratory or skin sensitisation | May cause an allergic skin reaction. |
| Aquatic Chronic 3 / H412 | Hazardous to the aquatic environment | Harmful to aquatic life with long lasting effects. |
| Acute Tox. 4 / H332 | Acute toxicity (inhalative) | Harmful if inhaled. |
| Acute Tox. 4 / H302 | Acute toxicity (oral) | Harmful if swallowed. |
| Eye Dam. 1 / H318 | Serious eye damage/eye irritation | Causes serious eye damage. |
| Skin Sens. 1B / H317 | Respiratory or skin sensitisation | May cause an allergic skin reaction. |
| Skin Irrit. 2 / H315 | Skin corrosion/irritation | Causes skin irritation. |
| Repr. 2 / H361 | Reproductive toxicity | Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). |
| STOT SE 3 / H335 | STOT-single exposure | May cause respiratory irritation. |

Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

| | | |
|-------------------|--------------------------------------|---------------------|
| Acute Tox. 4 | Acute toxicity (oral) | Calculation method. |
| Skin Corr. 1B | Skin corrosion/irritation | Calculation method. |
| Eye Dam. 1 | Serious eye damage/eye irritation | Calculation method. |
| Skin Sens. 1 | Respiratory or skin sensitisation | Calculation method. |
| Aquatic Chronic 3 | Hazardous to the aquatic environment | Calculation method. |

Abbreviations and acronyms

| | |
|-----|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| OEL | Occupational Exposure Limit Value |
| BLV | Biological Limit Value |
| CAS | Chemical Abstracts Service |

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2020/878



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|-----------|---|
| CLP | Classification, Labelling and Packaging |
| CMR | Carcinogenic, Mutagenic and Reprotoxic |
| DIN | German Institute for Standardization / German industrial standard |
| DNEL | Derived No-Effect Level |
| EAKV | European Waste Catalogue Directive |
| EC | Effective Concentration |
| EC | European Community |
| EN | European Standard |
| IATA-DGR | International Air Transport Association – Dangerous Goods Regulations |
| IBC Code | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO-TI | International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air |
| IMDG Code | International Maritime Code for Dangerous Goods |
| ISO | International Organization for Standardization |
| LC | Lethal Concentration |
| LD | Lethal Dose |
| MARPOL | Maritime Pollution: The International Convention for the Prevention of Pollution from Ships |
| OECD | Organisation for Economic Cooperation and Development |
| PBT | persistent, bioaccumulative, toxic |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| UN | United Nations |
| VOC | Volatile Organic Compounds |
| vPvB | very persistent and very bioaccumulative |

Abbreviations and acronyms

n.a. = not applicable
n.b. = not determined

Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

* Data changed compared with the previous version