

Revision: 10 January 2023

SECTION 11: Toxicological information (....)

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available	No data available
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- Carcinogenicity

Based on available data, the classification criteria are not met

Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
2,2',2"-nitrilotrisethanol, coppersalt	No data available	No data available	No data available
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available	No data available	No data available

- Reproductive toxicity

Based on available data, the classification criteria are not met

Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
2,2',2"-nitrilotrisethanol, coppersalt	No data available	No data available	No data available
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available	No data available	No data available

- Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met

Substances

Chemical Name	Route	Remarks
2,2',2"-nitrilotrisethanol, coppersalt	Respiratory	No data available
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	Respiratory	No data available

- Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met

Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
2,2',2"-nitrilotrisethanol, coppersalt	No data available	No data available	No data available
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available	No data available	No data available

- Aspiration hazard

Based on available data, the classification criteria are not met

- Contact with eyes

Causes redness and swelling

May cause severe damage with formation of corneal ulcers and permanent impairment of vision.

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- Contact with skin
 - Causes blistering of the skin
 - May cause severe burns with permanent skin damage which are slow to heal.
- Ingestion
 - May cause burns to mouth and throat
 - May cause stomach pain
- Inhalation
 - No hazard expected under normal conditions of use
 - May cause irritation of nose, throat and airway
- Other information
 - Copper toxicity can result from chronic or long-term exposure to high levels of copper. Symptoms include diarrhea, headaches, and in severe cases, kidney failure.
 - Certain genetic disorders, such as Wilson's disease, can also lead to copper toxicity. Individuals with Wilson's disease are unable to metabolise copper

11.2 Information on other hazards

- Does not contain any substances with endocrine disrupting properties
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SECTION 12: Ecological information

12.1 Toxicity

- Very toxic to aquatic life with long lasting effects.
- Classification based on calculation and concentration thresholds

Substances

Chemical Name	LC ₅₀ (fish)	EC ₅₀ (aquatic invertebrates)	EC ₅₀ (aquatic algae)
2,2',2''-nitrotrisethanol, coppersalt	No data available	No data available	No data available
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available	No data available	No data available

12.2 Persistence and degradability

- Not determined

Substances

Chemical Name	Biodegradation
2,2',2''-nitrotrisethanol, coppersalt	No data available
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available

12.3 Bioaccumulative potential

- Bioaccumulation is not expected

Substances

Chemical Name	Bioconcentration Factor (BCF)	Log Kow
2,2',2''-nitrotrisethanol, coppersalt	No data available	No data available
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available	No data available

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SECTION 12: Ecological information (....)

12.4 Mobility in soil

- Soluble in water

Substances

Chemical Name	Adsorption/desorption
2,2',2"-nitrilotrisethanol, coppersalt	No data available
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	No data available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

12.6 Endocrine disrupting properties

- Does not contain any substances with endocrine disrupting properties

12.7 Other adverse effects

- Do not empty into drains
- Do not allow to penetrate the ground/soil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- This material and/or its container must be disposed of as hazardous waste
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Do not reuse empty containers without commercial cleaning or reconditioning

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
- Hazardous Property Code(s): HP 8 Corrosive; HP 14 Ecotoxic

SECTION 14: Transport information


14.1 UN number or ID number

- UN No.: 1760

14.2 UN proper shipping name

- Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

SECTION 14: Transport information (....)

- MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

14.6 Special precautions for user

- No information available

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable

14.8 Road/Rail (ADR/RID)

- ADR UN No.: 1760
- Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
- ADR Hazard Class: 8
- ADR Packing Group: II
- Tunnel Code: (E)

14.9 Sea (IMDG)

- IMDG UN No.: 1760
- Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
- IMDG Hazard Class: 8
- IMDG Packing Group: II
- Marine pollutants: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides 2,2',2"-nitrilotrisethanol, coppersalt

14.10 Air (ICAO/IATA)

- ICAO UN No.: 1760
- Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides)
- ICAO Hazard Class: 8
- ICAO Packing Group: II

SECTION 15: Regulatory information

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

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 (as amended by Regulation (EU) 2020/878) and UK REACH
- The GB Classification, Labelling and Packaging Regulation (GB CLP) applies in Great Britain
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe
- Restrictions on use according to Annex XVII to REACH Regulation: Entry 3 - Liquid substances or mixtures which are regarded as dangerous
- This product is covered by the EU Biocides Regulation 528/2012 (EU BPR)
- This product is covered by the GB Biocidal Products Regulation (GB BPR)

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out

SECTION 16: Other information

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.

SECTION 16: Other information (....)

Sources of data: Information from published literature and supplier safety data sheets

Revision No. 2.0.0.. Revised December 2017.

Changes made: Updated to conform to latest version of REACH and revised formulation

Revision No. 3.0.0. Revised January 2023.

Changes made: Updated to conform to latest version of REACH Annex II

Training advice

- Workers must be informed of the presence of hazardous ingredients and trained in the proper use and handling of this product as required under applicable regulations

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Skin Corr. 1B, H314: Classification based on calculation and concentration thresholds
- Eye Dam. 1, H318: Classification based on calculation and concentration thresholds
- Aquatic Acute 1, H400: Classification based on calculation and concentration thresholds
- Aquatic Chronic 1, H410: Classification based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H302: Harmful if swallowed
- H314: Causes severe skin burns and eye damage
- H318: Causes serious eye damage
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects

Acronyms

- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC₅₀: Effective Concentration, 50%
- GHS: Globally Harmonised System
- LOAEC: Lowest Observed Adverse Effect Concentration
- LOAEL: Lowest Observed Adverse Effect Level
- LC₅₀: Lethal Concentration, 50%
- LD₅₀: Lethal Dose, 50%
- NOAEC: No Observed Adverse Effect Concentration
- NOAEL: No Observed Adverse Effect Level
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- SCL: Specific Concentration Limit
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit