SECTION 12 Ecological information (.....)

Substances

Chemical Name	LC_{50} (fish)	EC_{50} (aquatic invertebrates)	EC_{50} (aquatic algae)
Talc ($Mg_3H_2(SiO_3)_4$)	(4 days) 89.581 - 110 g/L	LC (48 h) 36.812 g/L	(4 days) 7.203 g/L
2-phenylphenol (ISO)	(4 days) 4.5 mg/L	LC (48 h) 2.7 mg/L	(72 h) 1.35 - 3.57 mg/L
Potassium chlorate	(4 days) 1 g/L	(48 h) 1 g/L	(72 h) 1.9 - 500 mg/L
Magnesium carbonate	(4 days) 2.12 - 2.82 g/L	LC (48 h) 140 - 322 mg/L	(72 h) 18.5 - 100 mg/L

12.2 Persistence and degradability

- Some ingredients are biodegradable

Substances

Chemical Name	Biodegradation
Talc ($Mg_3H_2(SiO_3)_4$)	Not applicable, inorganic
2-phenylphenol (ISO)	Readily biodegradable in water (100%)
Potassium chlorate	Under test conditions no biodegradation o…
Magnesium carbonate	Not applicable, inorganic

12.3 Bioaccumulative potential

- Chlorate is converted to chlorite in plants, which ac… reached, when the plant dies

Substances

Chemical Name	Bioconcentration Factor (BCF)	Log Kow
Talc ($Mg_3H_2(SiO_3)_4$)	3.16 L/kg ww	-9.4 @ 25 °C
2-phenylphenol (ISO)	21.7 - May accumulate in the tissues of aquatic organisms	Log Pow 3.18
Potassium chlorate	Low potential for bioaccumulation (Log Kow < 3…	
Magnesium carbonate	Bioaccumulation is not expected, inorganic	Not applicable

12.4 Mobility in soil

- Partially soluble in water

Substances

Chemical Name	Adsorption/desorption	Mobility
Talc ($Mg_3H_2(SiO_3)_4$)	Koc 31.82 at 20 °C	No data available
2-phenylphenol (ISO)	Log Koc 2.4 - 2.6	May adsorb to suspended soils and sediments
Potassium chlorate	Low potential for adsorption	Soluble in wa…
Magnesium carbonate	Not applicable, inorganic	No data availab…

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 disrup…

12.7 Other adverse effects

- No information available

SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Do not discharge into drains or the environment, disp…
- Dispose of product and packaging in accordance with n…
- This material and/or its container must be disposed o…

13.2 Classification

SECTION 13: Disposal considerations (....)

- The waste must be identified according to the List of Wastes (2000/532/EC)
- Hazardous Property Code(s): HP 4 Irritant; HP 5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity; HP 14 Ecotoxic

SECTION 14: Transport information

UN 3077 and UN 3082, when carried in single or combination packagings containing a net quantity per single or inner packaging of 5L/kg or less, are not subject to the provisions of ADR, RID, IMDG or IATA, provided the package meets the general packing quality provisions.

14.1 UN number or ID number

- UN No.: 3077

14.2 UN proper shipping name

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-Phenylphenol mixture)

14.3 Transport hazard class(es)

- Hazard Class: 9

14.4 Packing group

- Packing Group: III

14.5 Environmental hazards

- Marine Pollutant

14.6 Special precautions for user

- Not Classified

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-Phenylphenol mixture)
- ADR UN No.: 3077
- ADR Hazard Class: 9
- ADR Packing Group: III
- Tunnel Code: (-)

14.9 Sea (IMDG)

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-Phenylphenol mixture)
- IMDG UN No.: 3077
- IMDG Hazard Class: 9
- IMDG Packing Group: III

14.10 Air (ICAO/IATA)

- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2-Phenylphenol mixture)
- ICAO UN No.: 3077
- ICAO Hazard Class: 9

SECTION 14: Transport information (....)

- ICAO Packing Group: III

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
- The COSHH Regulations apply in the UK
- UN 3077 and UN 3082, when carried in single or combination packagings containing a net quantity per single or inner packaging of 5L/kg or less, are not subject to the provisions of ADR, RID, IMDG or IATA, provided the package meets the general packing quality provisions.
- Talc ($Mg_3H_2(SiO_3)_4$) is listed in Annex III of REACH as # Suspected carcinogen: IARC monographs classified the substance as carcinogenic or probably/possibly carcinogenic; carcinogen according to ISSCAN
- Restrictions on use according to Annex XVII to REACH Regulation: Not applicable
- Seveso III Directive (2012/18/EU, Dangerous Substances in Annex I: Class E1 (Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1), LT 100 te, UT 200 te

15.2 Chemical safety assessment

- A REACH chemical safety assessment has been carried out for some of the ingredients in this product

SECTION 16: Other information

Information contained in this data sheet is accurate to the best of our knowledge and belief and is given in good faith. It is intended to describe our product from the point of view of safety requirements and is not intended to guarantee any particular properties.

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

Revision No. 7.0.0. Revised October 2021.
Changes made: Revisions to all sections 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 Irrit. 2, H315: Classification based on calculation and concentration thresholds
- Eye Irrit. 2, H319: Classification based on calculation and concentration thresholds
- STOT SE 3, H335: 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:

- H271: May cause fire or explosion; strong oxidiser
- H302: Harmful if swallowed
- H332: Harmful if inhaled
- H335: May cause respiratory irritation
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects
- H411: Toxic to aquatic life with long lasting effects

SECTION 16: Other information (....)

Acronyms

- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC_{50}: Effective Concentration, 50%
- GHS: Globally Harmonised System
- IARC: International Agency for Research on Cancer
- LC_{50}: Lethal Concentration, 50%
- LD_{50}: Lethal Dose, 50%
- NOAEC: No observed adverse effect concentration
- NOAEL: No observed adverse effect level
- NOEC: No observed effect concentration
- 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
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---