

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Trade name**

963 DK Base Inhibitor T223

Product no.

963100

REACH registration number

None known

Other means of identification**1.2. Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Industrial wood primer

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet**Company and address**

Beck & Jorgensen A/S
Rosenkaeret 25-29
DK2860 Soeborg, Denmark
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SDS date

09-01-2015

SDS Version

2.0

1.4. Emergency telephone number

Use your national or local emergency number
See section 4 "First aid measures"

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Aquatic Chronic 2 // H411

See full text of H/R-phrases in section 2.2.

DPD/DSD Classification

Dangerous for the environment. (N).

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.(R51/53).

2.2. Label elements**Hazard pictogram(s)****Signal word**

-

Hazard statement(s)

Toxic to aquatic life with long lasting effects. (H411)

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Identity of the substances primarily responsible for the major health hazards

Safety statement(s)	General	-
	Prevention	Avoid breathing dust/fume/gas/mist/vapours/spray. (P261) Avoid release to the environment. (P273) Wear respiratory protection. (P284)
	Response	-
	Storage	-
	Disposal	Dispose of contents/container to an approved waste disposal plant. (P501)

2.3. Other hazards

Additional labelling

-Contains 1,2-benzisothiazol-3(2H)-on, 5-chlor-2-methyl-2H-isothiazol-3-on [EF-nr.247-500-7], blanding (3:1) med 2-methyl-2H-isothiazol-3-on [EF-nr.220-239-6]. May produce an allergic reaction.

Additional warnings

-

VOC

VOC-MAX: 5 g/l, MAXIMUM VOC CONTENT (A (WB)): 30 g/l.

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances

NAME:	zinc oxide
IDENTIFICATION NOS.:	CAS-no: 1314-13-2 EC-no: 215-222-5 Index-no: 030-013-00-7
CONTENT:	1-5%
DSD CLASSIFICATION:	N;R50/53
CLP CLASSIFICATION:	Aquatic Acute 1, Aquatic Chronic 1 H400, H410
NAME:	Nonylphenol ethoxylate phosphate
IDENTIFICATION NOS.:	CAS-no: 51609-41-7
CONTENT:	<1%
DSD CLASSIFICATION:	C;R34 N;R51/53
CLP CLASSIFICATION:	Skin. Corr. 1B, Aquatic Chronic 2 H314, H411
NAME:	Kaliumantimontartrat
IDENTIFICATION NOS.:	CAS-no: 11071-15-1 EC-no: 234-293-3
CONTENT:	<1%
DSD CLASSIFICATION:	Xn;R20/22 N;R51/53
CLP CLASSIFICATION:	Acute Tox. 4, Aquatic Chronic 2 H302, H332, H411, H412
NAME:	1,2-benzisothiazol-3(2H)-on
IDENTIFICATION NOS.:	CAS-no: 2634-33-5 EC-no: 220-120-9 Index-no: 613-088-00-6
CONTENT:	<0.1%
DSD CLASSIFICATION:	Xn;R22 Xi;R38-41 R43 N;R50
CLP CLASSIFICATION:	Acute tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1 H302, H315, H317, H318, H400
NAME:	5-chlor-2-methyl-2H-isothiazol-3-on [EF-nr.247-500-7], blanding (3:1) med 2-methyl-2H-isothiazol-3-on [EF-nr.220-239-6]
IDENTIFICATION NOS.:	CAS-no: 55965-84-9 Index-no: 613-167-00-5
CONTENT:	<0.001%
DSD CLASSIFICATION:	T; R23/24/25 C; R34 R43 N; R50-53
CLP CLASSIFICATION:	Acute tox. 3, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H301, H311, H314, H317, H331, H400, H410

(*) See full text of H/R-phrases in chapter 16. Occupational limits are listed in section 8, if these are available.

Other informations

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. If symptoms persist or in case of doubt always contact a physician. Never give anything by mouth to an unconscious person.

Inhalation

Move to fresh air and keep the person under observation. If discomfort persists get medical attention.

Skin contact

Remove contaminated clothing, shoes etc. Wash skin thoroughly with water and soap. Skin cleansing remedies may be used. DO NOT use solvent or thinner. Get medical attention if irritation or skin rash persists.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water, until irritation ceases and for at least 15 min.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, keep head low to prevent aspiration of vomit into lungs. Get medical attention. Aspiration of vomit into the lungs can cause pulmonary edema. Be aware that symptoms may be delayed up to 48 hours.

Burns

Rinse with water until the pain stops and continue for 30 minutes.

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

Sensitization: This product contains substances which may cause allergic skin reactions. Symptoms will normally occur within 12-72 hours after contact.

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

Non specific.

Information to medic

Bring this safety data sheet.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Extinguish with alcohol resistant foam, powder, CO₂ or water fog. Do not use water jet, it may cause the fire to spread.

5.2. Special hazards arising from the substance or mixture

At elevated temperature and in case of fire hazardous decomposition products will be formed. These are: Carbon oxides. Metal oxides. Fire will release hazardous/toxic fumes. Fire fighters must use full protective equipment. Cool containers with water spray. Do not allow water from the fire extinction to enter sewer systems or water courses.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

No specific demands.

6.2. Environmental precautions

Do not allow the product to contaminate surroundings; cover drains and contain product to prevent pollution of water courses and ground/soil. Avoid spreading to lakes, streams, sewers etc. In case of major spills notify the relevant authorities.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Clean with water or use appropriate cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See section 13 regarding handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

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Do not smoke, eat or drink in working areas. Do not allow the product to contaminate surroundings; cover drains and contain product to prevent pollution of water courses and ground/soil. See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

NA

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****OEL**

No data available

DNEL / PNEC

No data.

8.2. Exposure controls

In case the product is used in a standard fashion, no control is necessary.

General recommendations

Do not smoke, eat or drink in working areas.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

No limits on explosion exits, for the content of the substances in this product.

Appropriate technical measures**Hygiene measures**

Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Always follow good industrial hygiene practice.

Measures to avoid environmental exposure

No specific demands.

Individual protection measures, such as personal protective equipment**Generally**

Only CE-marked personal protection equipment should be used.

Respiratory Equipment

Recommended: In case of spray application: Use mask with particle filter S/SL, P2, White

Skin protection

Wear suitable protective clothing.

Hand protection

Recommended: Nitrile rubber. . Breakthrough time: > 60 minutes (Class 3)

Eye protection

Use face shield or safety glasses.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	Colour	Odour	pH	Viscosity	Density (g/cm ³)
Liquid	NA	Characteristic	8-8,5	-	1,32
Phase changes		Boiling point (°C)	Vapour pressure (mm Hg)		
Melting point (°C)		1	-		
-					

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Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	

Solubility

Solubility in water	n-octanol/water coefficient
Soluble	-

9.2. Other information

Solubility in fat	Additional information
-	N/A

SECTION 10: Stability and reactivity**10.1. Reactivity**

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in section 7.

10.3. Possibility of hazardous reactions

Non specific.

10.4. Conditions to avoid

Overpressure develops, when exposed to heating (e.g.. sunlight).

10.5. Incompatible materials

Strong acids, strong bases, strong oxidation agents and strong reduction agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Substance	Species	Test	Route of exposure	Result
1,2-benzisothiazol-3(2H)-on	Rat	LD50	Oral	1193 mg/Kg
1,2-benzisothiazol-3(2H)-on	Rat	LD50	Dermal	4115 mg/Kg
5-chlor-2-methyl-2H-isothiazol...	Rat	LD50	Oral	49,6 - 75 mg/Kg
5-chlor-2-methyl-2H-isothiazol...	Rat	LC50	Inhalation	0,33 mg/l
5-chlor-2-methyl-2H-isothiazol...	Rabbit	LD50	Dermal	87,12 mg/Kg

Skin corrosion/irritation

Data on substance: 1,2-benzisothiazol-3(2H)-on

Test: no guideline followed

Organism: -

Result: Irriterer huden

Serious eye damage/irritation

Data on substance: 1,2-benzisothiazol-3(2H)-on

Test: no guideline followed

Result: Can course serious eye damage

Respiratory or skin sensitisation

No data. Data on substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EF-nr.247-500-7], blanding (3:1) med 2-methyl-2H-isothiazol-3-on [EF-nr.220-239-6]

Organism: Human

Result: Can course allergic reaction at skin contact

Data on substance: 1,2-benzisothiazol-3(2H)-on

Organism: Human

Result: Can course allergic reaction at skin contact

Germ cell mutagenicity

Data on substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EF-nr.247-500-7], blanding (3:1) med 2-methyl-2H-isothiazol-3-on [EF-nr.220-239-6]

Result: No effect in experiments on animals

No adverse effect observed.

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Carcinogenicity

Data on substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EF-nr.247-500-7], blanding (3:1) med 2-methyl-2H-isothiazol-3-on [EF-nr.220-239-6]
 Result: No effect in experiments on animals
 No adverse effect observed.

Reproductive toxicity

Data on substance: 5-chlor-2-methyl-2H-isothiazol-3-on [EF-nr.247-500-7], blanding (3:1) med 2-methyl-2H-isothiazol-3-on [EF-nr.220-239-6]
 Result: No effect in experiments on animals
 No adverse effect observed.

STOT-single exposure

Data on substance: 1,2-benzisothiazol-3(2H)-on

STOT-repeated exposure

No data.

Aspiration hazard

No data.

Long term effects

Sensitization: This product contains substances which may cause allergic skin reactions. Symptoms will normally occur within 12-72 hours after contact.

SECTION 12: Ecological information**12.1. Toxicity**

Substance	Species	Test	Test duration	Result
1,2-benzisothiazol-3(2H)-on	Fish	LC50	96 h	1,3 mg/l
1,2-benzisothiazol-3(2H)-on	Daphnia	EC50	96 h	1,5 mg/l
1,2-benzisothiazol-3(2H)-on	Algae	EC50	48 h	0,055 mg/l
1,2-benzisothiazol-3(2H)-on	Daphnia	EC50	48 h	2,94 mg/l
1,2-benzisothiazol-3(2H)-on	Algae	EC50	24 h	0,11 mg/l
zinc oxide	Fish	LC50	96 timer	0,14 mg/l
zinc oxide	Daphnia	EC50	48 timer	0,07 mg/l
zinc oxide	Algae	EC50	72 timer	0,14 mg/l
5-chlor-2-methyl-2H-isothiazol...	Fish	LC50	96 h	0,19 mg/l
5-chlor-2-methyl-2H-isothiazol...	Daphnia	EC50	48 h	0,16 mg/l
5-chlor-2-methyl-2H-isothiazol...	Algae	EC50	72 h	0,018 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
1,2-benzisothiazol-3(2H)-on	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
1,2-benzisothiazol-3(2H)-on	No	1,3	No data available
5-chlor-2-methyl-2H-isothiazol...	No	0,4	No data available

12.4. Mobility in soil

1,2-benzisothiazol-3(2H)-on: Log Koc= 1,10787, Calculated from LogPow (High mobility potential.).
 5-chlor-2-methyl-2H-isothiazol...: Log Koc= 0,39516, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

This product contains ecotoxic substances, which can have damaging effects on water-organisms. This product contains substances, which can give unwanted long term effects in a water environment, due to its poor decomposition.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

XXX

Waste

EWC code
 08 01 11*

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Specific labelling

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Contaminated packing

Empty containers containing residues must be disposed of in the same way as the product.

SECTION 14: Transport information

This product is included in the regulation of dangerous goods.

14.1 – 14.4

ADR/RID	14.1. UN number	14.2. UN proper shipping name	14.3. Transport hazard class(es)		14.4. Packing group		Notes
	3082		9		III		-
IMDG	UN-no.	Proper Shipping Name	Class	PG*	EmS	MP**	Hazardous constituent
	3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	III	F-A, S-F	Yes	Zinkoxide

14.5. Environmental hazards

This product contains substances, which can give unwanted long term effects in a water environment, due to its poor decomposition.

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Restrictions for application**

-

Demands for specific education

-

Additional information

-

15.2. Chemical safety assessment

No

SECTION 16: Other information**Sources**

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

Full text of H/R-phrases as mentioned in section 3

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R22 - Harmful if swallowed.
R34 - Causes burns.
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.
R43 - May cause sensitisation by skin contact.
R50 - Very toxic to aquatic organisms.
R53 - May cause long-term adverse effects in the aquatic environment.
R20/22 - Harmful by inhalation and if swallowed.
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H301 - Toxic if swallowed.
H302 - Harmful if swallowed.
H311 - Toxic in contact with skin.
H314 - Causes severe skin burns and eye damage.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H331 - Toxic if inhaled.
H332 - Harmful if inhaled.
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.
H412 - Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1**Other symbols mentioned in section 2**

-

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

Mikael Jensen

**Date of last essential change
(First cipher in SDS version)**

-

**Date of last minor change
(Last cipher in SDS version)**

-