

Deluxe Materials Ltd

SAFETY DATA SHEET AQUA MAGIC BD64 &BD65

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Section 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING.

1.1 Product Identifier

Product name : AQUA MAGIC

Product No. : BD64 and BD65

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Relevant uses: Modelling compound.

Recommended restrictions No information available.

1.3 Details of the supplier of the safety data sheet

Supplier: Deluxe Materials Limited, Unit 13 Cufaude Business Park, Cufaude Lane, Bramley,
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Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Skin Irrit. 2; H315 Eye Irrit. 2; H319

Classification according to Regulation

(EC) No. 1272/2008

2.2 Label elements

Hazard pictogram



GHS07

Signal word

Warning

H-statement(s) H315: Causes skin irritation.

H319: Causes serious eye irritation.

P-statement(s) P280: Wear protective gloves/protective clothing/eye protection/face protection.

P337+P313: If eye irritation persists: Get medical advice/attention.

Further information EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3 Other hazards Results of PBT and vPvB assessment The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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Section 3: Composition / information on ingredients.

3.2 Mixture

Hazardous ingredients

Ingredient		Classification (EC) 1272/2008	Concentration
2-dimethylaminoethanol	CAS No. : 108-01-0 EC-No. : 203-542-8 Index-No. : 603-047-00-0 REACH No. : 01-2119492298-24-XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 3; H331 Skin Corr. 1B; H314	1.0 - 1.5 % by weight
1,2-benzisothiazol-3(2H)- one	CAS No. : 2634-33-5 EC-No. : 220-120-9 Index-No. : 613-088-00-6	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400	< 0.01 % by weight
Butyl diglycol	CAS No. 112-34-5 EC No. 203-961-6 REACH No.01- 2119475104-44-XXXX		4.4 % by weight

Section 4 : First Aid measures

4.1 Description of first aid measures

General advice: In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

If inhaled: Inhaling of droplets in the air or aerosols may lead to irritations of the respiratory tract .

If experiencing respiratory symptoms: Immediately call a doctor.

In case of skin contact: Wash with plenty of water/ soap. In case of skin reactions, consult a physician.

In case of eye contact : In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

If swallowed: Get medical advice/attention. Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Keep affected person under observation. Show this Safety Data Sheet to the medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms May cause sensitisation by skin contact.

Irritation to eyes

Skin corrosion/irritation

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention First Aid, decontamination, treatment of symptoms.

Section 5 : Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide (CO₂), Extinguishing powder, Water spray jet

In case of major fire and large quantities: Water spray jet, alcohol resistant foam

Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

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Hazardous decomposition byproducts may form with exposure to high temperatures.

In case of fire may be liberated: carbon monoxide, Hydrogen cyanide (hydrocyanic acid), Gases/vapours, toxic

5.3 Advice for firefighters

Special protective equipment for firefighting

In case of fire: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Do not get in eyes, on skin, or on clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. Use personal protection equipment.

6.2 Environmental precautions

Environmental precautions Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up 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.

6.4 Reference to other sections

Reference to other sections Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

When using do not eat or drink.

Provide good ventilation.

Avoid: Generation/formation of aerosols

Avoid contact with skin and eyes.

Remove contaminated clothing and wash it before reuse.

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

7.2 Conditions for safe storage, including any incompatibilities

Storage specifications Protect against: Frost

Keep container tightly closed.

TRGS 510 12 - Non-combustible liquids

7.3 Specific end use(s)

Specific use(s) No information available.

Section 8 Exposure controls/ personal protection.

8.1 Control parameters

Dimethylaminoethanol

Great Britain

Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Source
2	7.4	6	22	19

DNEL

Value	Target group	Source
1,04 mg/kg	Worker - dermal, long-term - systemic	100
7,4 mg/m ³	Worker - inhalative, long-term - systemic	100

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Source : 100 - supplier/own data/literatur

PNEC

Value	Target group	Source
0,0661 mg/l	PNEC aquatic, freshwater	100
0,00661 mg/l	IPNEC aquatic, marine water	100
0,0661 mg/l	PNEC aquatic, intermittent release	100
0,0529 mg/kg	PNEC sediment, freshwater	100
0,0177 mg/kg	PNEC soil	100
10 mg/l	PNEC sewage treatment plant (STP)	100

Source : 100 - supplier/own data/literatur

8.2 Exposure controls

Respiratory protection: 2-dimethylaminoethanol is released when the product is applied and dried.
Provide adequate ventilation.
In case of inadequate ventilation wear respiratory protection. Filter type:: A, K

Hand protection: Wear suitable gloves.

Suitable material : NBR (Nitrile rubber)

Material thickness : $\geq 0,4$ mm

Break through time : > 480 min

Eye protection: Wear closed protection glasses.

Skin and body protection : Wear suitable protective clothing.

Section 9 : Physical and chemical properties.

9.1 Information on basic physical and chemical properties

Physical state: liquid

Colour : clear

Odour characteristic: Odour threshold not determined

pH: 7,5-9,5

Measuring method : DIN ISO 976

Melting point [°C] / Freezing point [°C] ca. 0 °C

Boiling point [°C] 100 °C

Flash point [°C] not applicable

Evaporation rate [kg/(s*m²)] not determined

Flammability (solid, gas) not applicable

Explosion limits [Vol-%]

Lower limit : not determined

Upper limit : not determined

Vapour pressure [kPa] 2,3

Temperature : 20°C

Vapour density not determined

Density [g/cm³] ca. 1,06

Temperature : 20°C

Measuring method : DIN EN ISO 2811-1

Relative density not determined

Water solubility [g/l] completely miscible

Partition coefficient n-octanol /water (log P O/W) not determined

Autoignition temperature [°C] not applicable

Decomposition temperature [°C] not determined

Viscosity, dynamic 50-500

unit : mPas

Measuring method : ISO 1652, Brookfield RVT

Risk of explosion. not explosive.

Oxidising properties not applicable

9.2 Other information

Ignition temperature [°C] not determined

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Solid content [%] 37-39
 Measuring method : DIN EN ISO 3251

SECTION 10 : Stability and reactivity

10.1 Reactivity

Reactivity No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Chemical stability 2-dimethylaminoethanol is released when the product is applied and dried.

10.3 Possibility of hazardous reactions

Hazardous reactions No information available.

10.4 Conditions to avoid

Conditions to avoid No information available.

10.5 Incompatible materials

Materials to avoid No information available.

10.6 Hazardous decomposition products

Hazardous decomposition products No information available.

SECTION 11 : Toxicological Information

11.1 Information on toxicological effects

Hazardous ingredients

Dimethylaminoethanol

Oral toxicity [mg/kg]	Test criterion	Test species	Remarks	Source
1183	LD50	Rat	OECD 401	100

Source : 100 - supplier/own data/literature

Dermal toxicity [mg/kg]	Test criterion	Test species	Remarks	Source
1219	LD50	Rabbit	OECD 402	100

Source : 100 - supplier/own data/literature

LC50 Inhalation 4h for vapours [mg/l]	Test criterion	Test species	Note	Source
6,1	LC50	Rat	OECD 403	100

Source : 100 - supplier/own data/literature

1,2-benzisothiazolin-3-one

Oral toxicity [mg/kg]	Test criterion	Test species	Source
1193	LD50	Rat	100

Source : 100 - supplier/own data/literature

Oral toxicity [mg/kg]	Test criterion	Test species	Source
4115	LD50	Rat	100

Source : 100 - supplier/own data/literature

Subacute, subchronic, chronic toxicity No data available
 Irritant effect on skin Irritant.
 Irritant effect on eyes Irritant.
 Irritant effect on the respiratory tract slightly irritant but not relevant for classification.
 Sensitization May cause sensitisation by skin contact.

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Carcinogenic effects Under certain conditions, 2-dimethylaminoethanol may form nitrosamines when exposed to nitrosating agents (e.g. nitrites, nitrogen oxides). Nitrosamines have proven to be carcinogenous in experiments with animals.

Mutagenicity No data available
Reproduction toxicity No data available
Caustic effect Irritating to eyes and skin.

SECTION12 : Ecological Information

12.1 Toxicity

Hazardous ingredients

Dimethylaminoethanol

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
146,6	LC50	Leuciscus idus (golden orfe)	96h	100

Source : 100 - supplier/own data/literature

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
98,4	EC50	Daphnia magna (Big water flea)	48h	100

Source : 100 - supplier/own data/literature

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Source
66,1	EC50	Scenedesmus subspicatus	72h	100

Source : 100 - supplier/own data/literature

Toxicity to bacteria [mg/l]	Test criterion	Test species	Exposure duration	Source
>1000	EC20	Activated sludge municipal	30min	100

Source : 100 - supplier/own data/literature

1,2-benzisothiazolin-3-one

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
2,18	LC50	Oncorhynchus mykiss (Rainbow trout)	96h	100

Source : 100 - supplier/own data/literature

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
2,94	EC50	Daphnia magna	48h	100

Source : 100 - supplier/own data/literature

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Source
0,11	ErC50	Pseudokirchneriella subcapitata	72h	100

Source : 100 - supplier/own data/literature

12.2 Persistence and degradability

Biodegradability No data on the mixture is available. 2-dimethylaminoethanol is slightly biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

Bioaccumulation No data available

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12.4 Mobility in soil

Mobility No data available

12.5 Results of PBT and vPvB assessment

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 Other adverse effects

Environmental hazards No data available

SECTION 13 : Disposal considerations.

13.1 Waste treatment methods

Disposal considerations Do not dispose of with household waste. Do not allow to enter drains. Dispose of waste according to applicable legislation.

Uncleaned empty packaging Handle contaminated packages in the same way as the substance itself.

Suitable cleaning agents Water (with cleaning agent)
Retain contaminated washing water and dispose it.

SECTION 14: Transport Information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	not applicable	not applicable	not applicable
14.2 UN proper shipping name	Non dangerous goods	Non dangerous goods	Non dangerous goods
14.3 Transport hazard class(es)	not applicable	not applicable	not applicable
14.4 Packaging group	not applicable	not applicable	not applicable
14.5 Environmental hazards	not applicable	not applicable	not applicable

14.6 Special precautions for user

Precautions not applicable

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

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code not applicable

SECTION 15: Regulatory information.

15.2 Chemical safety assessment

Safety assessment Not applicable

Relevant H-phrases

EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H312: Harmful 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.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H400: Very toxic to aquatic life.

Wording of the hazard classes

Skin Irrit.: Skin irritation

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Eye Irrit.: Serious eye irritation
Flam. Liq.: Flammable liquid
Acute Tox.: Acute toxicity
Skin Corr.: Skin corrosion
Eye Dam.: Serious eye damage
Skin Sens.: Skin sensitization
Aquatic Acute: Hazardous to the aquatic environment

Recommended restrictions No information available.

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities