

SAFETY DATA SHEET

Proquatic® Deocare®

In accordance with the Standard for Classification and Labeling of Chemical Substance and Safety Data Sheet,
Article 10 Paragraph 1

Section 1. Chemical product and company identification

A. Product name : Proquatic® Deocare®

Product code : 122000018407

Other means of identification

: Deocare A; Proquatic Deocare; Deocare Aqua; 57455792; 90209522; 90196249; 90199591; 90205167; 84230022; 90212752; 90212751; 90212709; 57; 533; 068; 806; 003; 700; 000; 80600373; 57533068; 90209353; 90209352; 90210065;

90211426; 90209339

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

Identified uses : Environmental applications

Uses advised against : None known.

C. Company Name : Elanco Animal Health Korea Co., Ltd

8F, Hi Investment Bldg, 66, Yeoui-daero,

Yeongdeungpo-gu, Seoul, 07325, Korea

Telephone number : +82-2-553-0304

Emergency telephone

number

: CHEMTREC International: 00 1 703-527-3887 (24 hours)

Email : elanco_sds@elancoah.com

Transportation Emergency telephone

number

: CHEMTREC International: 00 1 703-527-3887 (24 hours)

Section 2. Hazards identification

A. Hazard classification : Not classified.

This product was evaluated in accordance with the Industrial Safety and Health Act

and the Chemical Control Act, and determined to be 'not classified'.

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the

aquatic environment: 67.5%

B. GHS label elements, including precautionary statements

Signal word : No signal word.

Hazard statements: No known significant effects or critical hazards.

Precautionary statements

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

C. Other hazards which do

not result in classification

: May form combustible dust concentrations in air.

 Product name :
 Proquatic® Deocare®

 Version : 0.03
 Date of revision : 19 May 2023
 Date of previous issue : 6 March 2023

Section 3. Composition/information on ingredients

: Mixture

Substance/mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4. First aid measures

A. Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

B. Skin contact

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

C. Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

D. Ingestion

: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

E. Notes to physician

: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

: No specific treatment.

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

A. Extinguishing media

Suitable extinguishing media

: Use dry chemical powder.

Unsuitable extinguishing media : Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

B. Specific hazards arising from the chemical

: May form explosible dust-air mixture if dispersed.

Hazardous thermal decomposition products : Decomposition products may include the following materials: carbon dioxide

carbon monoxide metal oxide/oxides

C. Special protective equipment for firefighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

Special precautions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Product name: Proquatic® Deocare® **KR: ENGLISH** Date of previous issue: 6 March 2023 2/9

Version: 0.03 Date of revision: 19 May 2023

Section 6. Accidental release measures

- A. Personal precautions, protective equipment and emergency procedures
- : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Put on appropriate personal protective equipment.
- **B.** Environmental precautions
- : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- C. Methods and materials for containment and cleaning up

Small spill

: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

A. Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

Advice on general occupational hygiene

- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- **B.** Conditions for safe storage, including any incompatibilities
- Storage description: moisture ≤ 85%, temperature ≤30%. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

A. Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
None.	

Biological exposure indices

None known.

Product name: Proquatic® Deocare® **KR: ENGLISH** Date of previous issue: 6 March 2023 3/9

Section 8. Exposure controls/personal protection

B. Appropriate engineering controls

: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

C. Personal protective equipment

: Based on the hazard and potential for exposure, select a respirator that meets the Respiratory protection appropriate standard or certification. Respirators must be used according to a

respiratory protection program to ensure proper fitting, training, and other important

aspects of use.

Eye protection Safety eyewear complying with an approved standard should be used when a risk

assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced,

use dust goggles.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should

be worn at all times when handling chemical products if a risk assessment indicates

this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task

being performed and the risks involved and should be approved by a specialist

before handling this product.

Hygiene measures Wash hands, forearms and face thoroughly after handling chemical products, before

eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and

safety showers are close to the workstation location.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

A. Appearance

Physical state : Solid. [Powder.]

Brown.

B. Odor Characteristic.

C. Odor threshold : Not available.

Not available.

E. Melting/freezing point : Not available.

F. Boiling point, initial : Not available.

boiling point, and

boiling range

G. Flash point : Not applicable.

Fire point

H. Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

J. Lower and upper explosive (flammable)

limits

: Not applicable.

: Not available.

: Not available. K. Vapor pressure

Product name: Proquatic® Deocare® **KR: ENGLISH** Version: 0.03 Date of revision: 19 May 2023 Date of previous issue: 6 March 2023 4/9

Section 9. Physical and chemical properties

L. Solubility(ies) : Media Result

hot water Not soluble
cold water Not soluble

Solubility in water : Not available.

Miscible with water : No.

M. Vapor density : Not applicable.
N. Relative density : Not available.
O. Partition coefficient: n-octanol/water : Not applicable.

P. Auto-ignition

temperature

: Not applicable.

Q. Decomposition temperature

: Not available.

R. Viscosity : Not applicable.
Flow time (ISO 2431) : Not available.
S. Molecular weight : Not applicable.

Particle characteristics

D. Hazardous

Median particle size : Not available.

Section 10. Stability and reactivity

A. Chemical stability : The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

B. Conditions to avoid : Avoid the creation of dust when handling and avoid all possible sources of ignition

(spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust

: Under normal conditions of storage and use, hazardous decomposition products

accumulation.

C. Incompatible materials : Reactive or incompatible with the following materials:

oxidizing materials

decomposition products should not be produced.

Section 11. Toxicological information

A. Information on the likely : Not available. routes of exposure

Potential acute health effects

Inhalation : Exposure to airborne concentrations above statutory or recommended exposure

limits may cause irritation of the nose, throat and lungs.

Ingestion : No known significant effects or critical hazards.Skin contact : No known significant effects or critical hazards.

Eye contact : Exposure to airborne concentrations above statutory or recommended exposure

limits may cause irritation of the eyes.

Over-exposure signs/symptoms

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

Ingestion: No specific data.Skin contact: No specific data.

 Product name :
 Proquatic® Deocare®
 KR : ENGLISH

 Version : 0.03
 Date of revision : 19 May 2023
 Date of previous issue : 6 March 2023
 5/9

Section 11. Toxicological information

Eye contact

: Adverse symptoms may include the following: irritation

redness

B. Health hazards

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

CMR - ISHA Article 42 Occupational Exposure Limits

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Potential chronic health effects

Chronic toxicity

Not available.

General: Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

A. Ecotoxicity

Not available.

B. Persistence and degradability

C. Bioaccumulative potential

Not available.

 Product name :
 Proquatic® Deocare®

 Version : 0.03
 Date of revision : 19 May 2023
 Date of previous issue : 6 March 2023

Section 12. Ecological information

D. Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

: No known significant effects or critical hazards. E. Other adverse effects

Section 13. Disposal considerations

- A. Disposal methods
- The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- **B.** Disposal precautions
- This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	UN	IMDG	IATA
A. UN number	Not regulated.	Not regulated.	Not regulated.
B. UN proper shipping name	Not regulated.	Not regulated.	Not regulated.
C. Transport hazard class(es)	Not regulated.	Not regulated.	Not regulated.
D. Packing group	Not regulated.	Not regulated.	Not regulated.
E. Environmental hazards	No.	No.	No.

F. Special precautions for user

: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available.

to IMO instruments

Section 15. Regulatory information

A. Regulation according to ISHA

ISHA article 117 (Harmful substances prohibited from manufacture)

: None of the components are listed.

ISHA article 118 (Harmful substances requiring permission) : None of the components are listed.

Article 2 of Youth Protection Act on Substances Hazardous : Not applicable.

to Youth

Exposure Limits of Chemical Substances and Physical Factors

Product name: Proquatic® Deocare® **KR: ENGLISH** Version: 0.03 Date of revision: 19 May 2023 7/9

Date of previous issue: 6 March 2023

Section 15. Regulatory information

None of the components have an OEL.

ISHA Enforcement Regs: None of the components are listed.

Annex 19 (Exposure standards established for harmful factors)

ISHA Enforcement Regs : None of the components are listed.

Annex 21 (Harmful factors subject to Work

Environment Measurement)

ISHA Enforcement Regs : None of the components are listed.

Annex 22 (Harmful **Factors Subject to Special Health Check-**

up)

Standard of Industrial : None of the components are listed. **Safety and Health Annex 12 (Hazardous**

substances subject to

control)

B. Regulation according to Chemicals Control Act

Article 11 (TRI) : None of the components are listed. Article 18 Prohibited (K- : None of the components are listed.

Reach Article 27)

Article 19 Subject to

authorization (K-Reach

: None of the components are listed.

Article 25)

: Not applicable **Article 20 Toxic**

Chemicals (K-Reach

Article 20)

Article 20 Restricted (K- : None of the components are listed.

Reach Article 27)

Article 39 (Accident

Precaution Chemicals)

: None of the components are listed.

Existing Chemical Substances Subject to

Registration

: None of the components are listed.

C. Dangerous Materials **Safety Management Act** : Not available.

D. Wastes regulation

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

E. Regulation according to other foreign laws

Inventory list

Republic of Korea : Not determined.

Section 16. Other information

A. References

B. Date of issue/Date of : 5/19/2023

revision

C. Version : 0.03

D. Other

Indicates information that has changed from previously issued version.

Product name : Proquatic® Deocare® **KR: ENGLISH** Version: 0.03 Date of revision: 19 May 2023 8/9 Date of previous issue: 6 March 2023

Section 16. Other information

Key to abbreviations

: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available SGG = Segregation Group UN = United Nations

Notice to reader

As of the date of issuance, we are providing available information relevant to the handling of this material in the workplace. All information contained herein is offered with the good faith belief that it is accurate. THIS SAFETY DATA SHEET SHALL NOT BE DEEMED TO CREATE ANY WARRANTY OF ANY KIND (INCLUDING WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE). In the event of an adverse incident associated with this material, this safety data sheet is not intended to be a substitute for consultation with appropriately trained personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finished product.

For additional information contact: **Elanco Animal Health** 0011+1-877-352-6261 0011+1-800-428-4441

Product name: Proquatic® Deocare® **KR: ENGLISH** 9/9

Version: 0.03 Date of revision: 19 May 2023