

1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6604-455

Product Type DIGITONIN AR

Revised date

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

Phone +91 22 27815541 / 42

Fax +91 22 2781 1318 :::AOH :0091 9821214367

Email mail@rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

2.1. Substances: DIGITONIN AR

CAS-No. : 11024-24-1

Substance.

Contains no other components or impurities which will influence the classification of the product

3. Hazards Identification

www.rxmarine.com

3.1. Classification of the substance or

mixture Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), H301

Category 3

Acute toxicity (dermal), H311

Category 3

Acute toxicity (inhal.), H330

Category

2 Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Adverse physicochemical, human health and environmental effects

No additional information available

3.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to

displayExtra classification(s) to display

Symbol(s) : T : Very toxic

R Phrase(s) : R25: Toxic if swallowed.

R33: Danger of cumulative effects

S Phrase(s) : S22: Do not breath dust.

S37: Wear suitable gloves

. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the

label where possible)

. Hazard pictograms

Signal word: Danger

Hazard statements: H301+H311 - Toxic if swallowed or in contact with skin

H330 - Fatal if inhaled.

Precautionary statements: P260 - Do not breathe vapours, spray, dust, fume, gas.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P284 - Wear respiratory protection

. P310 - Immediately call a POISON CENTER/doctor

3.3. Other hazards

No additional information available.

4. First Aid Measures

www.rxmarine.com

4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing. If breathing is difficult

, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get

medical advice/attention

. First-aid measures after skin contact : Immediately call a POISON CENTER/doctor.

Take off immediately all contaminated clothing. Wash with plenty of water/ .

First-aid measures after eye contact : Rinse cautiously with water for several minutes

. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical

advice/attention.

First-aid measures after ingestion : Rinse mouth. Obtain emergency medical attention.

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

Symptoms/effects after inhalation : Fatal if inhaled.

Symptoms/effects after skin contact : Toxic in contact with skin.

Symptoms/effects after ingestion : Toxic if swallowed.

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

Treat symptomatically

.

5. Fire-fighting Measures

www.rxmarine.com

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream

. 5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

www.rxmarine.com

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responder

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area

. 6.2. Environmental precautions

Avoid release to the environment

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

6.4. Reference to other sections

No additional information available

7. Handling and Storage

www.rxmarine.com

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours.

Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed

. 7.3. Specific end use(s)

No additional information available

8. Exposure controls and personal protection

www.rxmarine.com

8.1. Control parameters

No additional information available

8.2. Exposure controls Hand protection : Protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

9. Physical and chemical properties

www.rxmarine.com

9.1. Information on basic physical and chemical properties

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : 230 - 240 °C

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : 2400 °C

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Solubility : Water: Insoluble

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2. Other information

No additional information available

10. Stability and reactivity

www.rxmarine.com

10.1. Reactivity No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Air contact. Direct sunlight. Moisture.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

11. Toxicological information

www.rxmarine.com

11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation

: Fatal if inhaled

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects

and symptoms : Toxic if swallowed. Toxic in contact with skin.

12. Ecological information

www.rxmarine.com

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

13. Disposal considerations

www.rxmarine.com

13.1. Waste treatment methods

Product/Packaging disposal

Recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

. Ecology - waste materials : Hazardous waste due to toxicity

14. Transport information

www.rxmarine.com

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 3462

UN-No. (IMDG) : 3462

UN-No. (IATA) : 3462

UN-No. (ADN) : 3462

UN-No. (RID) : 3462

14.2. UN proper shipping name

Proper Shipping Name (ADR) : TOXINS, EXTRACTED FROM LIVING SOURCES
, SOLID, N.O.S.

Proper Shipping Name (IMDG) : TOXINS, EXTRACTED FROM LIVING SOURCES,

SOLID, N.O.S.

Proper Shipping Name (IATA) : Toxins, extracted from living sources, solid, n.o.s.

Proper Shipping Name (ADN) : TOXINS, EXTRACTED FROM LIVING SOURCES,

SOLID, N.O.S

. Proper Shipping Name (RID) : TOXINS, EXTRACTED FROM LIVING SOURCES,

SOLID, N.O.S.

Transport document description (ADR) : UN 3462 TOXINS, EXTRACTED FROM

LIVING SOURCES, SOLID, N.O.S., 6.1, III,

(E)

Transport document description (IMDG) : UN 3462 TOXINS, EXTRACTED FROM

LIVING SOURCES, SOLID, N.O.S., 6.1, II

Transport document description (IATA) : UN 3462 Toxins, extracted from living sources, solid, n.o.s.

, 6.1, III Transport document description (ADN) : UN 3462 TOXINS, EXTRACTED FROM

LIVING SOURCES, SOLID, N.O.S., 6.1, III

Transport document description (RID) : UN 3462 TOXINS, EXTRACTED FROM

LIVING SOURCES, SOLID, N.O.S., 6.1, III

14.3. Transport hazard class(es)

ADR- Transport hazard class(es) (ADR) : 6.1

Danger labels (ADR) : 6.1

IMDG- Transport hazard class(es) (IMDG) : 6.1

Danger labels (IMDG) : 6.1

IATA- Transport hazard class(es) (IATA) : 6.1

Hazard labels (IATA) : 6.1

ADN- Transport hazard class(es) (ADN) : 6.1

Danger labels (ADN) : 6.1

RID- Transport hazard class(es) (RID) : 6.1

Danger labels (RID) : 6.1

14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport- Classification code (ADR) : T2

Special provisions (ADR) : 210, 274

Limited quantities (ADR) : 5kg

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P002, IBC08, R001

Special packing provisions (ADR) : B3

Mixed packing provisions (ADR) : MP10

Portable tank and bulk container instructions (ADR) : T1

Portable tank and bulk container special provisions (ADR) : TP33

Tank code (ADR) : SGAH, L4BH

Tank special provisions (ADR) : TU15, TE19

Vehicle for tank carriage : AT Transport category (ADR) : 2

Special provisions for carriage ☑ Bulk (ADR) : VC1, VC2, AP7

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28

Special provisions for carriage ☑ Operation (ADR) : S9

Hazard identification number (Kemler No.) : 60

Orange plates

: Tunnel restriction code (ADR) : E

EAC code : 2X

Transport by sea- Special provisions (IMDG) : 210, 223, 274

Packing instructions (IMDG) : P002

IBC packing instructions (IMDG) : IBC08

IBC special provisions (IMDG) : B3

Tank instructions (IMDG) : T1

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-A

Stowage category (IMDG) : A

Properties and observations (IMDG) : Toxins from plant, animal or bacterial sources

which contain infectious substances or toxins that are contained in infectious substances

should be classified in class 6.2

. Toxic if swallowed, by skin contact or by inhalation

. MFAG-No : 153

Air transport- PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y645

PCA limited quantity max net quantity (IATA) : 10kg

PCA packing instructions (IATA) : 670

PCA max net quantity (IATA) : 100kg

packing instructions (IATA) : 677

CAO max net quantity (IATA) : 200kg

Special provisions (IATA) : A3, A43

ERG code (IATA) : 6L

Inland waterway transport- Classification code (ADN) : T2

Special provisions (ADN) : 210, 274, 802

Limited quantities (ADN) : 5 kg

Excepted quantities (ADN) : E1

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0

Rail transport- Classification code (RID) : T2

Special provisions (RID) : 210, 274

Excepted quantities (RID) : E1

Packing instructions (RID) : P002, IBC08, R001

Special packing provisions (RID) : B3

Mixed packing provisions (RID) : MP10

Portable tank and bulk container instructions (RID) : T1

Portable tank and bulk container special provisions (RID) : TP33

Tank codes for RID tanks (RID) : SGAH, L4BH

Special provisions for RID tanks (RID) : TU15

Transport category (RID) : 2

Special provisions for carriage ☐ Bulk (RID) : VC1, VC2, AP7

Special provisions for carriage - Loading, unloading and handling (RID): CW13, CW28

, CW31

Colis express (express parcels) (RID) : CE11

Hazard identification number (RID) : 60

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

www.rxmarine.com

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

DIGITONIN AR is not on the REACH Candidate List

DIGITONIN AR is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 3, severe hazard to water (Classification according to AwSV; ID No. 1040)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☐ Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☐ Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☐ Ontwikkeling: The substance is not listed

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct

contact with the product

15.2. Chemical safety assessment

No additional information available

16. Other information

www.rxmarine.com

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification

labelling and packaging of substances and mixtures, amending and repealing Directives

67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None. In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP

Regulation (CE) N° 1272/2008

DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.