Material Safety Data Sheet

DI GITONIN AR (RXSOL-60-6604-455)

1. Product and Company Identifaction

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
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Email	mail@rxmarine.com

2. Composition / informationon ingredients

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

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

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

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

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

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

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

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

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

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

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

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

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

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. BlmSchV (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

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
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