

## 1. Product and Company Identification

www.rxmarine.com

Product Name

RXSOL-60-6604-109

Product Type

BRUCINE SULPHATE PURISS

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

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Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

www.rxmarine.com

### 2.1. Substances : BRUCINE SULPHATE

CAS-No. : 4845-99-2

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 (inhal.), H330

Category 2

Acute toxicity (oral), H300

Category 1

Hazardous to the aquatic H412

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environment ☒ Chronic Hazard,

Category 3

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

T+; R26/28

R52/53

**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 display Extra classification(s) to display**

**R Phrase(s) :** 26/28 Very toxic by Inhalation and if swallowed.

**S Phrase(s) :** S1: Keep locked up.

S13: Keep away from food., drink and animal feeding stuffs.

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 : H300+H330 - Fatal if swallowed or if inhaled

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements :

P260 - Do not breathe vapours, dust, fume, gas.

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P264 - Wash hands, forearms and face thoroughly after handling.

P273 - Avoid release to the environment.

P284 - Wear respiratory protection.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P310 - Immediately call a POISON CENTER or doctor.

### **2.3. Other hazards**

No additional information available

## **4. First Aid Measures**

[www.rxmarine.com](http://www.rxmarine.com)

### **4.1. Description of first aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash with plenty of water/ .

Get immediate medical advice/attention.

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. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects after inhalation : Fatal if inhaled.

Symptoms/effects after ingestion : Fatal if swallowed.

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

Treat symptomatically.

## **5. Fire-fighting Measures**

[www.r](http://www.r)

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## **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](http://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 responders**

Protective equipment : Use personal protective equipment as required.

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

## **6.4. Reference to other sections**

No additional information available

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.

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

Avoid dust formation. 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

### 8.1. 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 : Wear respiratory protection.

**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** : No data available

**Freezing point** : No data available

**Boiling point** : No data available

**Flash point** : No data available

**Auto-ignition temperature** : No data available

**Decomposition temperature** : No data available

**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: Moderate (1-10%)

**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

**10.1. 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**

Direct sunlight. Moisture.

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

No additional information available

**11.1. Information on toxicological effects**

Acute toxicity : Fatal if inhaled. Fatal if swallowed.

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

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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 : Fatal if swallowed

## **12. Ecological information**

[www.rxmarine.com](http://www.rxmarine.com)

### **12.1. Toxicity**

Ecology - water : Harmful to aquatic life with long lasting effects.

### **12.2. Persistence and degradability**

#### **BRUCINE SULPHATE**

Persistence and degradability May cause long-term adverse effects in the environment.

### **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](http://www.rxmarine.com)

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### **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](http://www.rxmarine.com)

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

### **14.1. UN number**

UN-No. (ADR) : 1544

UN-No. (IMDG) : 1544

UN-No. (IATA) : 1544

UN-No. (ADN) : 1544

UN-No. (RID) : 1544

### **14.2. UN proper shipping name**

Proper Shipping Name (ADR) : ALKALOIDS, SOLID, N.O.S.

Proper Shipping Name (IMDG) : ALKALOIDS, SOLID, N.O.S.

Proper Shipping Name (IATA) : Alkaloid salts, solid, n.o.s.

Proper Shipping Name (ADN) : ALKALOIDS, SOLID, N.O.S.

Proper Shipping Name (RID) : ALKALOIDS, SOLID, N.O.S.

Transport document description (ADR) : UN 1544

ALKALOIDS, SOLID, N.O.S., 6.1, II, (D/E)

Transport document description (IMDG) : UN 1544

ALKALOIDS, SOLID, N.O.S., 6.1, II

Transport document description (IATA) : UN 1544

Alkaloid salts, solid, n.o.s., 6.1, II

Transport document description (ADN) : UN 1544

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ALKALOIDS, SOLID, N.O.S., 6.1, II

Transport document description (RID) : UN 1544

ALKALOIDS, SOLID, N.O.S., 6.1, II

### **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

AND: 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) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

### **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 I

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Special provisions (ADR) : 43, 274

Limited quantities (ADR) : 500g

Excepted quantities (ADR) : E4

Packing instructions (ADR) : P002, IBC08

Special packing provisions (ADR) : B4

Mixed packing provisions (ADR) : MP10

Portable tank and bulk container instructions (ADR) : T3

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 ☐ Packages (ADR) : V11

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

Special provisions for carriage ☐ Operation (ADR) : S9, S19

Hazard identification number (Kemler No.) : 60

Orange plates : Tunnel restriction code (ADR) : D/E

EAC code : 2X

### **Transport by sea**

Special provisions (IMDG) : 43, 274

Packing instructions (IMDG) : P002

IBC packing instructions (IMDG) : IBC08

IBC special provisions (IMDG) : B21, B4

Tank instructions (IMDG) : T3

Tank special provisions (IMDG) : TP33

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EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-A

Stowage category (IMDG) : A

Properties and observations (IMDG) : A

wide range of toxic solids, generally of vegetable origin. Toxic if swallowed,  
by skin contact or by inhalation.

MFAG-No : 151

### **Air transport**

PCA Excepted quantities (IATA) : E4

PCA Limited quantities (IATA) : Y644

PCA limited quantity max net quantity (IATA) : 1kg

PCA packing instructions (IATA) : 669

PCA max net quantity (IATA) : 25kg

CAO packing instructions (IATA) : 676

CAO max net quantity (IATA) : 100kg

Special provisions (IATA) : A3, A4, A6, A801

ERG code (IATA) : 6L

### **Inland waterway transport**

Classification code (ADN) : T2

Special provisions (ADN) : 43, 274, 802

Limited quantities (ADN) : 500 g

Excepted quantities (ADN) : E4

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 2

### **Rail transport**

Classification code (RID) : T2

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Special provisions (RID) : 43, 274

Excepted quantities (RID) : E4

Packing instructions (RID) : P002, IBC08

Special packing provisions (RID) : B4

Mixed packing provisions (RID) : MP10

Portable tank and bulk container instructions (RID) : T3

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 ☐ Packages (RID) : W11

Special provisions for carriage - Loading,  
unloading and handling (RID) : CW13, CW28, CW31

Colis express (express parcels) (RRID) : CE9

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](http://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

BRUCINE SULPHATE ACS is not on the REACH Candidate List

BRUCINE SULPHATE ACS is not on the REACH Annex XIV List

#### **15.1.2. National regulations**

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## Germany

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

### 15.2. Chemical safety assessment

No additional information available

## 16. Other information

[www.rxmarine.com](http://www.rxmarine.com)

**Abbreviations and acronyms** : : 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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**Further information : None.**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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