Material Safety Data Sheet

BRUCINE SULPHATE PURISS (RXSOL-60-6604-109)

1. Product and Company Identifaction

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

Phone	+91 22 27815541 / 42
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Email	mail@rxmarine.com

2. Composition / informationon ingredients

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

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
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 displayExtra 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.
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

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

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 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. Handling and Storage

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. 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 : 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 : 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. 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
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 : 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
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

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

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) : 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 ddescription (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
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

Overlrland transport Classification code (ADR) : T2 I
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
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
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

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
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

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
Further information : None**.**
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