Material Safety Data Sheet

BRUCINE AR Reagent for Bismuth (RXSOL-60-6604-108)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-108
Product Type	BRUCINE AR (Reagent for bismuth)
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. Substance : BRUCINE AR
CAS No : 357-57-3
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
Full text of classification categories and H statements : see section 16
Classification according to Directive 67/548/EEC or 1999/45/EC
T+; R26/28 R52/53
Full text of R-phrases: see section 16
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) : R28: Very toxic if swallowed.
R25: Toxic 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 : - 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 ... thoroughly after handling P273 - Avoid release to the environment
P284 - [In case of inadequate ventilation] wear respiratory protection
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/…
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 : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash with plenty of soap and 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 or doctor/physician.

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

Symptoms/injuries after ingestion : Fatal if swallowed.

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

No additional information available

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. Do not breathe vapours.
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 : 175 - 178 °C
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: Partially soluble in cold water
Log Pow : 0.1
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
No additional information available
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 : Inhalation: Fatal if inhaled. Oral: 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 S
pecific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (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
Persistence and degradability May cause long-term adverse effects in the environment.
12.3. Bioaccumulative potentiaL
Log Pow 0.1
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 ...
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) : 1570
UN-No. (IMDG) : 1570
UN-No.(IATA) : 1570
UN-No.(ADN) : Not regulated
UN-No. (RID) : Not regulated
14.2. UN proper shipping name
Proper Shipping Name (ADR) : BRUCINE
Proper Shipping Name (IMDG) : BRUCINE
Proper Shipping Name (IATA) : BRUCINE
Proper Shipping Name (ADN) : Not regulated
Proper Shipping Name (RID) : Not regulated
Transport document description (ADR) : UN 1570 BRUCINE, 6.1, I, (C/E)
Transport document description (IMDG) : UN 1570 BRUCINE, 6.1, I
Transport document description (IATA) : UN 1570 BRUCINE, 6.1, I
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) : Not regulated
RID : Transport hazard class(es)
(RID) : Not regulated
14.4. Packing group
Packing group (ADR) : I
Packing group (IMDG) : I
Packing group (IATA) : I
Packing group (ADN) : Not regulated
Packing group (RID) : Not regulated
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 provision (ADR) : 43
Limited quantities (ADR) : 0
Excepted quantities (ADR) : E5
Packing instructions (ADR) : P002, IBC07
Mixed packing provisions (ADR) : MP18
Portable tank and bulk container instructions (ADR) : T6
Portable tank and bulk container special provisions (ADR) : TP33
Tank code (ADR) : S10AH, L10CH
Tank special provisions (ADR) : TU14, TU15, TE19, TE21
Vehicle for tank carriage : AT
Transport category (ADR) : 1
Special provisions for carriage – Packages (ADR) : V10
Special provisions for carriage - Loading,
unloading and handling (ADR) : CV1, CV13, CV28
Special provisions for carriage – Operation (ADR) : S9, S14
Hazard identification number (Kemler No.) : 66
Orange plates : Tunnel restriction code (ADR) : C/E
EAC code : 2X
Transport by sea
Special provision (IMDG) : 43
Limited quantities (IMDG) : 0

Excepted quantities (IMDG) : E5
Packing instructions (IMDG) : P002
IBC packing instructions (IMDG) : IBC07
IBC special provisions (IMDG) : B1
Tank instructions (IMDG) : T6
Tank special provisions (IMDG) : TP33
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-A
Stowage category (IMDG) : A
MFAG-No : 152

Air transport

PCA Excepted quantities (IATA) : E5
PCA Limited quantities (IATA) : Forbidden
PCA limited quantity max net quantity (IATA) : Forbidden
PCA packing instructions (IATA) : 666
PCA max net quantity (IATA) : 5kg
CAO packing instructions (IATA) : 673
CAO max net quantity (IATA) : 50kg
Special provision (IATA) : A6
ERG code (IATA) : 6L

Inland waterway transport-

Not regulated

Rail transport-

Not regulated

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 AR is not on the REACH Candidate List
BRUCINE AR is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 3, strongly hazardous to water (Classification according to VwVwS, Annex 2; WGK No 941)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

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 : 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.

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