

1. Product and Company Identification

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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

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Email mail@rxmarine.com

2. Composition / Information on ingredients

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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

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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 display Extra 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

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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

5.1. 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

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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

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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 : 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

10.1. 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

11.1. 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

Specific 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

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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

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13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to ...

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

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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

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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

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