Material Safety Data Sheet

BARIUM BROMIDE (RXSOL-60-6604-009)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-009
Product Type	BARIUM BROMIDE
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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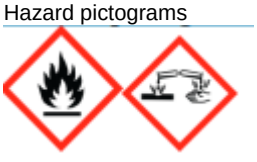
2. Composition / informationon ingredients

3.1. Substances: BARIUM BROMIDE
CAS-No. : 7791-28-8
Substance.
Contains no other components or impurities which will influence the classification of the product.

3. Hazards Identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Acute toxicity (inhal.), H332
Category 4
Acute toxicity (oral), H302
Category 4
Full text of hazard classes and H-statements : see section 16
Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
Xn; R20
Xn; R22
Full text of R-phrases: see section 16
Adverse physicochemical, human health and environmental effects
No additional information available
2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to displayExtra classification(s) to display
Symbol(s) :Xn: Harmful

R Phrase(s) : R20/22: Harmful by inhalation and if swallowed.
S Phrase(s) : S28 : After contact with skin, wash immediately with plenty of …(to be specified by manufacturer).
Hazard pictograms



Signal word : Warning
Hazard statements : H302+H332 - Harmful if swallowed or if inhaled
Precautionary statements : P261 - Avoid breathing vapours, dust, fume, gas.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
2.3. 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.

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. Call a POISON CENTER/doctor if you

feel unwell.

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

Symptoms/effects after ingestion : Swallowing a small quantity of this material will result

in serious health hazard.

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 : 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.
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 : [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 : 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
Density : 3.58 g/cm³
Solubility : Water: Soluble in water
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. Air contact. 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 : Inhalation: Harmful if inhaled. Oral: Harmful 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 : Harmful if swallowed.

12. Ecological information

12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No 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.

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN
14.1. UN number
UN-No. (ADR) : 1564
UN-No. (IMDG) : 1564
UN-No. (IATA) : 1564
UN-No. (ADN) : 1564
UN-No. (RID) : 1564

14.2. UN proper shipping name
Proper Shipping Name (ADR) : BARIUM COMPOUND, N.O.S.
Proper Shipping Name (IMDG) : BARIUM COMPOUND, N.O.S.
Proper Shipping Name (IATA) : Barium compound, n.o.s.
Proper Shipping Name (ADN) : BARIUM COMPOUND, N.O.S.
Proper Shipping Name (RID) : BARIUM COMPOUND, N.O.S.
Transport document description (ADR) : UN 1564 BARIUM COMPOUND, N.O.S., 6.1, III, (E)
Transport document description (IMDG) : UN 1564 BARIUM COMPOUND, N.O.S., 6.1, III
Transport document description (IATA) : UN 1564 Barium compound, n.o.s., 6.1,III
Transport document description (ADN) : UN 1564 BARIUM COMPOUND, N.O.S., 6.1, III
Transport document description (RID) : UN 1564 BARIUM COMPOUND, 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) : T5
Special provisions (ADR) : 177, 274, 513, 587
Limited quantities (ADR) : 5kg
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P002, IBC08, LP02, 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 : 2Z -
Transport by sea
Special provisions (IMDG) : 177, 223, 274
Packing instructions (IMDG) : P002, LP02
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) : White powder, lumps or crystals. Toxic if
swallowed, by skin contact or by inhalation.
MFAG-No : 154 -
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
CAO packing instructions (IATA) : 677
CAO max net quantity (IATA) : 200kg
Special provisions (IATA) : A3, A82
ERG code (IATA) : 6L -
- Inland waterway transport
Classification code (ADN) : T5
Special provisions (ADN) : 177, 274, 513, 587, 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) : T5
Special provisions (RID) : 177, 274, 513, 587
Excepted quantities (RID) : E1
Packing instructions (RID) : P002, IBC08, LP02, 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
BARIUM BROMIDE Extra Pure is not on the REACH Candidate List
BARIUM BROMIDE Extra Pure 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. 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
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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