Material Safety Data Sheet

BLEACHING POWDER (RXSOL-60-6604-079)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-079
Product Type	BLEACHING POWDER
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

2.1. Substances : BLEACHING POWDER
CAS-No. : 7778-54-3
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]
Oxidising Solids, H272
Category 2
Acute toxicity (oral), H302
Category 4
Skin corrosion/irritation, H314
Category 1B
Hazardous to the aquatic environment — Acute Hazard, H400
Category 1
Full text of H statements : see section 16
Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
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) : N : Dangerous for the environment
O : Oxidizing
C: Corrosive
R Phrase(s) : R8: Contact with combustible material may cause fire.
R22: Harmful if swallowed.

R31: Contact with acids librates toxic gas.
R34: Cause burns.
R50: Very toxic to aquatic organisms.
S Phrase(s) : S26: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61: avoid release to the environment . refer to special instruction/safety data sheets.
S36/37/39 : Wear suitable protective clothing and gloves & eye/face protecting.
Hazard pictograms :



Signal word : Danger
Hazard statements : H272 - May intensify fire; oxidiser.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H400 - Very toxic to aquatic life.
Precautionary statements (CLP) : P220 - Keep/Store away from clothing and other combustible materials.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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. Immediately call a POISON CENTER/doctor.
First-aid measures after skin contact : Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects : Causes severe skin burns and eye damage.
Symptoms/effects after ingestion : Harmful 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
Fire hazard : May intensify fire; oxidiser.
Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
5.3. Advice for firefighters
Firefighting instructions : In case of major fire and large quantities: Evacuate area. Fight

fire remotely due to the risk of explosion.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures : No open flames. No smoking.
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
Additional hazards when processed : Hazardous waste due to potential risk of explosion.
Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours. Take precautionary measures against static discharge.
Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. 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
Technical measures : Proper grounding procedures to avoid static electricity should be followed. Comply with applicable regulations.
Storage conditions : Keep in fireproof place. Store in a well-ventilated place.
Incompatible materials : Heat sources. combustible materials.
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
Personal protective equipment : Wear fire/flame resistant/retardant clothing.
Hand protection : Protective gloves
Eye protection : Chemical goggles or face shield
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 : 100 °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
Density : 2.35 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 : May cause fire or explosion; strong oxidiser.
Explosive limits : No data available
9.2. Other information
No additional information available

10. Stability and reactivity

10.1. Reactivity
Thermal decomposition generates : Corrosive vapours.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
Highly reactive material. Contact with acids liberates toxic gas.
10.4. Conditions to avoid
Heat. Sparks. Open flame.
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Thermal decomposition generates : Corrosive vapours.

11. Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Oral: Harmful if swallowed.
Skin corrosion/irritation : Causes severe skin burns and eye damage.
Serious eye damage/irritation : Serious eye damage, category 1, implicit
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
Ecology - water : Very toxic to aquatic life.
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.

Additional information : Hazardous waste due to potential risk of explosion

14. Transport information

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

14.1. UN number

UN-No. (ADR) : 1748

UN-No. (IMDG) : 1748

UN-No. (IATA) : 1748

UN-No. (ADN) : 1748

UN-No. (RID) : 1748

14.2. UN proper shipping name

Proper Shipping Name (ADR) : CALCIUM HYPOCHLORITE, DRY

Proper Shipping Name (IMDG) : CALCIUM HYPOCHLORITE, DRY

Proper Shipping Name (IATA) : Calcium hypochlorite, dry

Proper Shipping Name (ADN) : CALCIUM HYPOCHLORITE, DRY

Proper Shipping Name (RID) : CALCIUM HYPOCHLORITE, DRY

Transport document description (ADR) : UN 1748 CALCIUM HYPOCHLORITE, DRY, 5.1, II, (E), ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG) : UN 1748 CALCIUM HYPOCHLORITE, DRY, 5.1, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA) : UN 1748 Calcium hypochlorite, dry, 5.1, II, ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN) : UN 1748 CALCIUM HYPOCHLORITE, DRY, 5.1, II, ENVIRONMENTALLY HAZARDOUS

Transport document description (RID) : UN 1748 CALCIUM HYPOCHLORITE, DRY, 5.1, II, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR- Transport hazard class(es) (ADR) : 5.1

Danger labels (ADR) : 5.1

IMDG- Transport hazard class(es) (IMDG) : 5.1

Danger labels (IMDG) : 5.1

IATA- Transport hazard class(es) (IATA) : 5.1

Hazard labels (IATA) : 5.1

ADN- Transport hazard class(es) (ADN) : 5.1

Danger labels (ADN) : 5.1

RID- Transport hazard class(es) (RID) : 5.1

Danger labels (RID) : 5.1

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 : Yes
Marine pollutant : Yes
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport- Classification code (ADR) : O2
Special provisions (ADR) : 314
Limited quantities (ADR) : 1kg
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P002, IBC08
Special packing provisions (ADR) : B4, B13
Mixed packing provisions (ADR) : MP10
Tank code (ADR) : SGAN
Tank special provisions (ADR) : TU3
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) : CV24, CV35
Hazard identification number (Kemler No.) : 50
Orange plates : Tunnel restriction code (ADR) : E
EAC code : 1W
Transport by sea- Special provisions (IMDG) : 314
Packing instructions (IMDG) : P002
Special packing provisions (IMDG) : PP85
EmS-No. (Fire) : F-H
EmS-No. (Spillage) : S-Q
Stowage category (IMDG) : D
Stowage and handling (IMDG) : SW1, SW11
Segregation (IMDG) : SG35, SG38, SG49, SG53, SG60
Properties and observations (IMDG) : White or yellowish solid (powder, granules or tablets) with chlorine-like odour.
Soluble in water. May cause fire in contact with organic material or ammonium compounds. Substances are liable to exothermic decomposition at elevated temperatures. This condition may lead to fire or explosion. Decomposition can be initiated by heat or by impurities (e.g. powdered metals (iron, manganese, cobalt, magnesium) and their compounds). Liable to heat slowly. Reacts with acids, evolving chlorine, an irritating, corrosive and toxic gas. In the presence of moisture, corrosive to most metals. Dust irritates mucous membranes.
MFAG-No : 140
Air transport- PCA Excepted quantities (IATA) : E2
PCA Limited quantities (IATA) : Y544
PCA limited quantity
max net quantity (IATA) : 2.5kg
PCA packing instructions (IATA) : 558
PCA max net quantity (IATA) : 5kg
CAO packing instructions (IATA) : 562
CAO max net quantity (IATA) : 25kg
Special provisions (IATA) : A136, A803
ERG code (IATA) : 5L
Inland waterway transport- Classification code (ADN) : O2
Special provisions (ADN) : 314
Limited quantities (ADN) : 1 kg
Excepted quantities (ADN) : E2
Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0
Rail transport -Classification code (RID) : O2

Special provisions (RID) : 314
Excepted quantities (RID) : E2
Packing instructions (RID) : P002, IBC08
Special packing provisions (RID) : B4, B13
Mixed packing provisions (RID) : MP10
Tank codes for RID tanks (RID) : SGAN
Special provisions for RID tanks (RID) : TU3
Transport category (RID) : 2
Special provisions for carriage – Packages (RID) : W11
Special provisions for carriage - Loading,
unloading and handling (RID) : CW24, CW35
Colis express (express parcels) (RID) : CE10
Hazard identification number (RID) : 50

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
BLEACHING POWDER is not on the REACH Candidate List
BLEACHING POWDER is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 2, significant hazard to water
(Classification according to AwSV; ID No. 2062)
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.

In accordance with REACH Regulation (CE) Nº 1907/2006 and with CLP Regulation
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