

## 1. Product and Company Identification

www.rxmarine.com

Product Name

RXSOL-60-6604-078

Product Type

BIURET REAGENT

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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Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

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### 2.1. Substances: BIURET REAGENT

CAS No. : 108-19-0

**Substance name Contents CAS No**

Water 75% [?] 99% 7732-18-5

Sodium Hydroxide Pellets AR 5% - 10% 1310-73-2

Potassium Sodium (+) Tartrate 1% - 5% 6381-59-5

Cupric Sulphate(Pentahydrate) 0.01 [?] 1% 7758-99-8

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**

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**[CLP]Mixtures/Substances: SDS EU 2015: According to**

**Regulation (EU) 2015/830 (REACH Annex II)**

Skin corrosion/irritation, H314

Category 1A

Hazardous to the aquatic

environment ☑ Chronic

Hazard, H412

Category 3

Full text of H statements : 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) :** Xn: Harmful

**Hazard pictograms**



**Signal word :** Danger

**Hazard statements :** H314 - Causes severe skin burns and eye damage.

H412 - Harmful to aquatic life with long lasting effects.

**Precautionary statements (CLP) :** P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

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P261 - Avoid breathing vapours, dust, fume, gas, spray.

### **3.3. Other hazards**

No additional information available

## **4. First Aid Measures**

[www.rxmarine.com](http://www.rxmarine.com)

### **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 : 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.

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

Treat symptomatically.

## **5. Fire-fighting Measures**

[www.r](http://www.r)

### **5.1. Extinguishing media**

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

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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 attempt to take action without suitable protective equipment.

# **6. Accidental Release Measures**

[www.rxmarine.com](http://www.rxmarine.com)

## **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 : Stop release.

## **6.2. Environmental precautions**

Avoid release to the environment.

## **6.3. Methods and material for containment and cleaning up**

Methods for cleaning up : Shovel or sweep up and put in a closed container for disposal.

Collect spillage.

## **6.4. Reference to other sections**

No additional information available

# **7. Handling and Storage**

[www.rxmarine.com](http://www.rxmarine.com)

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### **7.1. Precautions for safe handling**

Precautions for safe handling : Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

### **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures : Comply with applicable regulations.

Storage conditions : Store in original container. Keep container tightly closed. Store in a dry place.

### **7.3. Specific end use(s)**

No additional information available

## **8. Exposure controls and personal protection**

[www.rxmarine.com](http://www.rxmarine.com)

### **8.1. Control parameters**

No additional information available

### **8.2. Exposure controls**

Hand protection : protective gloves

Eye protection : Chemical goggles or face shield

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear appropriate mask

## **9. Physical and chemical properties**

[www.rxmarine.com](http://www.rxmarine.com)

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## 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** : No data available

**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

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### **10.1. Reactivity**

Thermal decomposition generates : Corrosive vapours.

### **10.2. Chemical stability**

Stable under normal conditions of use.

### **10.3. Possibility of hazardous reactions**

No additional information available

### **10.4. Conditions to avoid**

Air contact. Overheating. Open flame.

### **10.5. Incompatible materials**

No additional information available

### **10.6. Hazardous decomposition products**

Thermal decomposition generates : Corrosive vapours.

## **11. Toxicological information**

[www.rxmarine.com](http://www.rxmarine.com)

### **11.1. Information on toxicological effects**

Acute toxicity : Not classified

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

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STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

## **12. Ecological information**

[www.rxmarine.com](http://www.rxmarine.com)

### **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**

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**

[www.rxmarine.com](http://www.rxmarine.com)

### **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

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regulation.

## **14. Transport information**

[www.rxmarine.com](http://www.rxmarine.com)

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

### **14.1. UN number**

UN-No. (ADR) : Not applicable

UN-No. (IMDG) : Not applicable

UN-No. (IATA) : Not applicable

UN-No. (ADN) : Not applicable

UN-No. (RID) : Not applicable

### **14.2. UN proper shipping name**

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

### **14.3. Transport hazard class(es)**

**ADR-** Transport hazard class(es) (ADR) : Not applicable

**IMDG-** Transport hazard class(es) (IMDG) : Not applicable

**IATA-** Transport hazard class(es) (IATA) : Not applicable

**ADN-** Transport hazard class(es) (ADN) : Not applicable

**RID-** Transport hazard class(es) (RID) : Not applicable

### **14.4. Packing group**

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

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Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

#### **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-** No data available

**Transport by sea-** No data available

**Air transport-** No data available

**Inland waterway transport-** No data available

**Rail transport-** No data available

#### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

ADR - Packing instructions : P001

ADR - Limited Quantity : 1 L

ADR - Tunnel code : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and

E. Other carriage: Passage forbidden through tunnels of category E.

#### 14.2. Sea transport (IMDG) [English only]

Proper shipping name : ACETIC ACID,

UN N° : 2789

IMO-IMDG - Class or division : 8 : Corrosive substance. ( 3 : Flammable liquid. )

IMO-IMDG - Packing group : II

IMO- IMDG - Packing instructions : P001

IMO-IMDG - Limited quantities : 1 L

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IMO-IMDG - Marine pollution : No

EMS-Nr : F-E S-C

14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name : ACETIC ACID

UN N° : 2789

IATA - Class or division : 8 : Corrosive substance. ( 3 : Flammable liquid. )

IATA - Packing group : II

IATA - Passenger and Cargo Aircraft : ALLOWED

- Passenger and Cargo - Packing : 851

instruction

- Passenger and Cargo - Maximum : 1 L

Quantity/Packing

IATA - Cargo only : ALLOWED

- Cargo only - Packing instruction : 855

- Cargo only - Maximum Quantity/ : 30 L

Packing

IATA - Limited Quantities : 0.5 L

ERG-Nr : 8F

## **15. Regulatory information**

[www.rxmarine.com](http://www.rxmarine.com)

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

### **15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

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Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

### **15.1.2. National regulations**

#### **Germany**

Reference to AwSV : Water hazard class (WGK) 3, severe hazard to water (Classification according to AwSV, Annex 1)

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 : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☐ Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☐

Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de

voortplanting giftige stoffen ☐ Ontwikkeling : None of the components are 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

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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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