



RXSOL

CHEMO PHARMA INTERNATIONAL

RXSOL-60-6604-217
CAFFEINE PURE ANHYDROUS

Material Safety Data Sheet (MSDS)

1. Product and Company Identification

www.rxmarine.com

Product Name	RXSOL-60-6604-217
Product Type	CAFFEINE PURE (ANHYDROUS)
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
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

2.1. Substances : CAFFEINE ANHYDROUS

CAS-No. : 58-08-2

Substance.

Contains no other components or impurities which will influence the classification of the product.

3. Hazards Identification

www.rxmarine.com

3.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), H302

Category 4

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R22

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

R Phrase(s) : 22. Harmful if swallowed.
Hazard pictograms



Signal word : Warning

Hazard statements : H302 - Harmful if swallowed.

Precautionary statements : P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P330 - Rinse mouth.

P501 - Dispose of contents/container to hazardous or special waste collection point,
in accordance with local, regional, national and/or international regulation

3.3. Other hazards

No additional information available.

4. First Aid Measures

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.

First-aid measures after skin contact : Wash with plenty of water/....

Get 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 : Harmful if swallowed.

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

Treat symptomatically.

5. Fire-fighting Measures

www.rxmarine.com

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

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.

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

www.rxmarine.com

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours.

Provide good ventilation in process area to prevent formation of vapour.

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

www.rxmarine.com

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

www.rxmarine.com

9.1. Information on basic physical and chemical properties

Odour threshold : No data available

pH : 6.9

Relative evaporation rate (butylacetate=1) : No data available

Melting point : 234 - 236 °C

Freezing point : No data available

Boiling point : 178 °C

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 : 1.23 g/cm³

Solubility : Water: 1 (gm in 46 ml water)

Log Pow : 0.07

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

www.rxmarine.com

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

Air contact. Direct sunlight. Moisture.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

No additional information available

11. Toxicological information

www.rxmarine.com

11.1. Information on toxicological effects
Acute toxicity : Oral: Harmful if swallowed.
Skin corrosion/irritation : Not classified
pH: 6.9
Serious eye damage/irritation : Not classified
pH: 6.9
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

www.rxmarine.com

12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
Log Pow 0.07
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

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

www.rxmarine.com

In accordance with ADR / RID / IMDG / IATA / ADN
14.1. UN number
UN-No. (ADR) : 1544
UN-No. (IMDG) : 1544
UN-No. (IATA) : 1544
UN-No. (ADN) : 1544

UN-No. (RID) : 1544

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ALKALOIDS, SOLID, N.O.S.

Proper Shipping Name (IMDG) : ALKALOIDS, SOLID, N.O.S.

Proper Shipping Name (IATA) : Alkaloid salts, solid, n.o.s.

Proper Shipping Name (ADN) : ALKALOIDS, SOLID, N.O.S.

Proper Shipping Name (RID) : ALKALOIDS, SOLID, N.O.S.

Transport document description (ADR) : UN 1544 ALKALOIDS, SOLID, N.O.S.,6.1, III, (E)

Transport document description (IMDG) : UN 1544 ALKALOIDS, SOLID, N.O.S.,6.1, III

Transport document description (IATA) : UN 1544 Alkaloid salts, solid, n.o.s., 6.1, III

Transport document description (ADN) : UN 1544 ALKALOIDS, SOLID, N.O.S., 6.1, III

Transport document description (RID) : UN 1544 ALKALOIDS, SOLID, 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) : T2

Special provisions (ADR) : 43, 274

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 : 2X
Transport by sea-
Special provisions (IMDG) : 43, 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) : A
wide range of toxic solids, generally of vegetable origin. Toxic if swallowed,
by skin contact or by inhalation. MFAG-No : 151
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, A4, A6, A801
ERG code (IATA) : 6L
Inland waterway transport-
Classification code (ADN) : T2
Special provisions (ADN) : 43, 274, 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) : T2
Special provisions (RID) : 43, 274
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
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
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

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions CAFFEINE ANHYDROUS EXTRA is not on the REACH Candidate List

CAFFEINE ANHYDROUS EXTRA is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

Reference to AwSV : Water hazard class (WGK) 1, low hazard to water (Classification according to AwSV; ID No. 3214)

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 : 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 assessments

No additional information available

16. Other information

www.rxmarine.com

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

DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

This Safety Data Sheet is provided by RXSOL. For the most current version of this document, please visit eastindiachemicals.com. This

document is prepared in accordance with GHS / OSHA HazCom standards. The information contained herein is believed to be accurate but does not purport to be all-inclusive. It is the responsibility of the user to determine the suitability of this information for their application.