

1. Product and Company Identification

www.rxmarine.com

Product Name

RXSOL-60-6604-634

Product Type

GIEMSA'S STAINING SOLUTION FOR MICROSCOPY

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. Substance : GIEMSA'S STAINING SOLUTION FOR MICROSCOPY

Substance name Contents CAS No

Methanol 50-75% 67-56-1

1,2,3-Propanetriol(glycerin) 50-75% 56-81-5

Giemsa`S Stain 0.01-1% 51811-82-6

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]Mixture/Substance: SDS EU 2015: According to Annex II

of Regulation (EC) No. 453/2010 (REACH Annex II)

Flammable liquids, H225

Category 2

Acute toxicity (oral), H301

Category 3

Acute toxicity (dermal), H311

Category 3

Acute toxicity (inhal.), H331

Category 3

Specific target organ toxicity [single exposure], H370

Category 1

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

Highly flammable

R Phrase(s) : R11: Highly flammable.

R 23/25: Toxic by inhalation and if swallowed.

R39/23/24/25: Toxic : danger of very serious irreversible effects through inhalation, in
contact with skin and if swallowed

S Phrase(s) : S16: Keep away from source of ignition-No smoking.

S7: Keep container tightly closed.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the
label where possible).

S36/37 : Wear suitable protective clothing and gloves.

Hazard pictograms

Signal word : Danger

Hazard statements : H225 - Highly flammable liquid and vapour

H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled

H370 - Causes damage to organs

Precautionary statements : P210 - Keep away from heat, hot surfaces, sparks, open
flames and other ignition sources. No smoking

P233 - Keep container tightly closed

P240 - Ground and bond container and receiving equipment

P241 - Use explosion-proof equipment

P260 - Do not breathe dust/fume/gas/mist/vapours/spray

P264 - Wash ... thoroughly after handling

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

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/

P302+P352 - IF ON SKIN: Wash with plenty of water/

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P308+P311 - IF exposed or concerned: Call a POISON CENTER/doctor/

P311 - Call a POISON CENTER/doctor/

P321 - Specific treatment (see ... on this label)

P330 - Rinse mouth

P361+P364 - Take off immediately all contaminated clothing and wash it before reuse

P370+P378 - In case of fire: Use ... to extinguish

P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P403+P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/container to {0 message= default=hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation filter=(_)?DISPOSAL_.+}

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 general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a POISON

CENTER or doctor/physician. Specific treatment (see ... on this label).

First-aid measures after inhalation : Get medical advice/attention. Remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor/physician. Wash with plenty of soap and water. Specific measures (see ... on this label). Wash contaminated clothing before reuse.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Get medical advice/attention. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Immediately call a POISON CENTER or doctor/physician.

Specific treatment (see ... on this label).

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

Symptoms/injuries : Causes damage to organs.

Symptoms/injuries after inhalation : Toxic if inhaled.

Symptoms/injuries after skin contact : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.

Symptoms/injuries after ingestion : Toxic if swallowed. 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

www.rxmarine.com

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Foam. Dry powder. Carbon dioxide. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour. Highly flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers.

Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

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

General measures : Remove ignition sources. No naked lights. No smoking. Use special care to avoid static electric charges.

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. Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapours/spray.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

7. Handling and Storage

www.rxmarine.com

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

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. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. No naked lights. No smoking. Use only non-sparking tools. Do not breathe dust/fume/gas/mist/vapours/spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash ... thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/ equipment.

Storage conditions : Keep container tightly closed. Keep in fireproof place. Keep only in the original container in a cool, well ventilated place away from :

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Heat sources. Sources of ignition. Direct sunlight.

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

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Protective gloves. Wear protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Where exposure through inhalation may occur from use,

respiratory protection equipment is recommended

Other information : Do not eat, drink or smoke during use

9. Physical and chemical properties

www.rxmarine.com

9.1. Information on basic physical and chemical properties

Odour threshold : No data available

pH : 7

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

Melting point : 17.9 °C

Freezing point : No data available

Boiling point : 64.5 °C

Flash point : 12 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Flammable

Highly flammable liquid and vapour

Vapour pressure : 97.68 mm Hg at 20° C)

Relative vapour density at 20 °C : 2.37

Relative density : No data available

Density : 1.04 g/cm³

Solubility : Water: Easily soluble in cold 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 : 6 - 36.5 vol %

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

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

Highly flammable liquid and vapour.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Open flame. Heat. Sparks. Overheating. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

May release flammable gases, fume, Carbon monoxide, Carbon dioxide

11. Toxicological information

www.rxmarine.com

11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Toxic in contact with skin. Inhalation:

Toxic if inhaled.

ATE CLP (oral) 100 mg/kg bodyweight

ATE CLP (dermal) 300 mg/kg bodyweight

ATE CLP (gases) 700 ppmv/4h

ATE CLP (vapours) 3 mg/l/4h

ATE CLP (dust,mist) 0.5 mg/l/4h

Skin corrosion/irritation : Not classified

pH: 7

Additional information : Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified

pH: 7

Additional information : Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity :

Not classified

Additional information : Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Causes damage to organs.

Specific target organ toxicity (repeated exposure) : Not classified

Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms: Toxic if swallowed. Toxic in contact with skin.

12. Ecological information

www.rxmarine.com

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Persistence and degradability Not established.

12.3. Bioaccumulative potential

Bioaccumulative potential Not established.

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

Additional information : Avoid release to the environment

13. Disposal considerations

www.rxmarine.com

13.1. Waste treatment methods

Product/Packaging disposal

Recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ...

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

14. Transport information

www.rxmarine.com

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

14.1. UN number

UN-No. (ADR) : 1230

UN-No. (IMDG) : 1230

UN-No.(IATA) : 1230

UN-No.(ADN) : 1230

UN-No. (RID) : 1230

14.2. UN proper shipping name

Proper Shipping Name (ADR) : METHANOL

Proper Shipping Name (IMDG) : METHANOL

Proper Shipping Name (IATA) : METHANOL

Proper Shipping Name (ADN) : METHANOL

Proper Shipping Name (RID) : METHANOL

Transport document description (ADR) : UN 1230 METHANOL, 3 (6.1), II, (D/E)

Transport document description (IMDG) : UN 1230 METHANOL, 3 (6.1), II (12°C c.c.)

Transport document description (IATA) : UN 1230 METHANOL, 3 (6.1), II

Transport document description (ADN) : UN 1230 METHANOL, 3 (6.1), II

Transport document description (RID) : UN 1230 METHANOL, 3 (6.1), II

14.3. Transport hazard class(es)

ADR- Transport hazard class(es) (ADR) : 3 (6.1)

Danger labels (ADR) : 3, 6.1

IMDG- Transport hazard class(es) (IMDG) : 3 (6.1)

Danger labels (IMDG) : 3, 6.1

IATA- Transport hazard class(es) (IATA) : 3 (6.1)

Hazard labels (IATA) : 3, 6.1

ADN- Transport hazard class(es) (ADN) : 3 (6.1)

Danger labels (ADN) : 3, 6.1

RID- Transport hazard class(es) (RID) : 3 (6.1)

Danger labels (RID) : 3, 6.1

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 : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport- Classification code (ADR) : FT1

Special provision (ADR) : 279

Limited quantities (ADR) : 1L

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T7

Portable tank and bulk container special provisions (ADR) : TP2

Tank code (ADR) : L4BH

Tank special provisions (ADR) : TU15

Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28

Special provisions for carriage ☑ Operation (ADR) : S2, S19

Hazard identification number (Kemler No.) : 336

Orange plates :

Tunnel restriction code (ADR) : D/E

EAC code : ☑2WE

APP code : A(fl)

Transport by sea- Special provision (IMDG) : 279

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T7

Tank special provisions (IMDG) : TP2

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-D

Stowage category (IMDG) : B

Stowage and handling (IMDG) : SW2

Flash point (IMDG) : 12°C c.c.

MFAG-No : 131

Air transport- PCA Excepted quantities (IATA) : E2

PCA Limited quantities (IATA) : Y341

PCA limited quantity max net quantity (IATA) : 1L

PCA packing instructions (IATA) : 352

PCA max net quantity (IATA) : 1L

CAO packing instructions (IATA) : 364

CAO max net quantity (IATA) : 60L

Special provision (IATA) : A104, A113

ERG code (IATA) : 3L

Inland waterway transport- Classification code (ADN) : FT1

Special provisions (ADN) : 279, 802

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : E2

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP, EX, TOX, A

Ventilation (ADN) : VE01, VE02

Number of blue cones/lights (ADN) : 2

Rail transport- Classification code (RID) : FT1

Special provision (RID) : 279

Limited quantities (RID) : 1L

Excepted quantities (RID) : E2

Packing instructions (RID) : P001, IBC02

Mixed packing provisions (RID) : MP19

Portable tank and bulk container instructions (RID) : T7

Portable tank and bulk container special provisions (RID) : TP2

Tank codes for RID tanks (RID) : L4BH

Special provisions for RID tanks (RID) : TU15

Transport category (RID) : 2

Special provisions for carriage ☐ Loading and unloading (RID) : CW13, CW28

Colis express (express parcels) (RID) : CE7

Hazard identification number (RID) : 336

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

Not applicable

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

Contains no substances with Annex XVII restrictions

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

15.1.2. National regulations

Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 2, hazardous 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)

Denmark

Class for fire hazard : Class I-1

Store unit : 1 liter

Classification remarks : F ; Emergency management guidelines for the

storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not

allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct

contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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.