Material Safety Data Sheet

GIEMSA STAINING SOLUTION (RXSOL-60-6604-634)

1. Product and Company Identifaction

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
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2. Composition / informationon ingredients

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

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 displayExtra 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

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

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

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

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

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

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 at20° 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

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

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

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

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

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

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

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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