Material Safety Data Sheet

CARBOL FUCHSIN DILUTE staining solution ziehl Neelsen (RXSOL-60-6604-251)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-251
Product Type	CARBOL FUCHSIN DILUTE STAINING SOLUTION (Ziehl Neelsen)
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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Email	mail@rxmarine.com

2. Composition / informationon ingredients

3.1. Substances : CARBOL FUCHSIN DILUTE STAINING SOLUTION

Substance name	Contents	CAS No
Water	>=99 %	7732-18-5
C.I. Basic Red 9	0.01-1	569-61-9
Phenol	0.01-1	108-95-2
Ethanol	0.01-1	64-17-5

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]Mixtures/Substances: SDS EU 2015: According to Regulation (EU) 2015/830 (REACH Annex II)
Flammable liquids, H226
Category 3
Acute toxicity (inhal.), H332
Category 4
Skin corrosion/irritation, H314
Category 1
Germ cell mutagenicity, H341
Category 2
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
R Phrase(s) :R21/22: Harmful in contact with skin and if swallowed.
R36/38: Irritating to eyes and skin.
R:10. Flammable.
S Phrase(s) : S22: Do not breath dust.
S25: Avoid contact with eyes.
S36/37 : Wear suitable protective clothing and gloves.
Hazard pictograms :



Signal word : Danger
Hazard statements : H226 - Flammable liquid and vapour.
H314 - Causes severe skin burns and eye damage.
H332 - Harmful if inhaled.
H341 - Suspected of causing genetic defects.
Precautionary statements : 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.
P310 - Immediately call a doctor.
3.3. Other hazards
No additional information available.

4. First Aid Measures

4.1. Description of first aid measures
First-aid measures after inhalation : Allow affected person to breathe fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
First-aid measures after skin contact : Wash with plenty of water/…. Get immediate 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. Do not induce vomiting.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects : Causes severe skin burns and eye damage. Suspected of causing genetic defects.
Symptoms/effects after inhalation : Harmful if inhaled.
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 hazaabrd : Flammle liquid and vapour.
Explosion hazard : May form flammable/explosive vapour-air mixture.
5.3. Advice for firefighters
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 : No open flames. No smoking. Remove ignition sources. 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.
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 : Collect spillage. On land, sweep or shovel into suitable containers.
6.4. Reference to other sections
No additional information available

7. Handling and Storage

7.1. Precautions for safe handling
Precautions for safe handling : Use personal protective equipment as required. Avoid contact with skin and eyes.
Do not breathe vapours. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.
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 : Keep container tightly closed. Keep in fireproof place.
Incompatible materials : Heat sources.
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
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

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 : -114.1 °C
Freezing point : No data available
Boiling point : 78.5 °C
Flash point : 12.78 °C
Critical temperature : 243 °C
Auto-ignition temperature : 363 °C
Decomposition temperature : No data available
Flammability (solid, gas) : Flammable
Vapour pressure : 2.61 kPa (at 20°C)
Relative vapour density at 20 °C : 1.59
Relative density : No data available
Density : 0.98 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 : 0.033 - 0.19 vol %
9.2. Other information
No additional information available

10. Stability and reactivity

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
Heat. Open flame. Sparks.
10.5. Incompatible materials
Oxidizing agent.
10.6. Hazardous decomposition products
No additional information available

11. Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Harmful if inhaled.
ATE CLP (gases) 4500 ppmv/4h
ATE CLP (vapours) 11 mg/l/4h
ATE CLP (dust,mist) 1.5 mg/l/4h
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 : Suspected of causing genetic defects.
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

12. Ecological information

12.1. Toxicity
No additional information available
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
No additional information available

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN
14.1. UN number
UN-No. (ADR) : 2924
UN-No. (IMDG) : 2924
UN-No. (IATA) : 2924
UN-No. (ADN) : 2924
UN-No. (RID) : 2924
14.2. UN proper shipping name
Proper Shipping Name (ADR) : FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (IATA) : Flammable liquid, corrosive, n.o.s.
Proper Shipping Name (ADN) : FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (RID) : FLAMMABLE LIQUID, CORROSIVE, N.O.S.
Transport document description (ADR) : UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S., 3 (8), III, (D/E)
Transport document description (IMDG) : UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S., 3 (8), III
Transport document description (IATA) : UN 2924 Flammable liquid, corrosive, n.o.s., 3 (8), III
Transport document description (ADN) : UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S., 3 (8), III
Transport document description (RID) : UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S., 3 (8), III
14.3. Transport hazard class(es)
ADR- Transport hazard class(es) (ADR) : 3 (8)
Danger labels (ADR) : 3, 8
IMDG- Transport hazard class(es) (IMDG) : 3 (8)
Danger labels (IMDG) : 3, 8
IATA- Transport hazard class(es) (IATA) : 3 (8)

Hazard labels (IATA) : 3, 8
ADN- Transport hazard class(es) (ADN) : 3 (8)
Danger labels (ADN) : 3, 8
RID- Transport hazard class(es) (RID) : 3 (8)
Danger labels (RID) : 3, 8
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) : FC
Special provisions (ADR) : 274
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, R001
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T7
Portable tank and bulk container special
provisions (ADR) : TP1, TP28
Tank code (ADR) : L4BN
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage – Packages (ADR) : V12
Special provisions for carriage – Operation (ADR) : S2
Hazard identification number (Kemler No.) : 38
Orange plates :
Tunnel restriction code (ADR) : D/E
EAC code : •3WE
APP code : A(fl)
Transport by sea- Special provisions (IMDG) : 223, 274
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001 IBC
packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP1, TP28
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-C
Stowage category (IMDG) : A
Stowage and handling (IMDG) : SW2
MFAG-No : 132
Air transport- PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y342
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 354
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 365
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3
ERG code (IATA) : 3C
Inland waterway transport- Classification code (ADN) : FC
Special provisions (ADN) : 274
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 0
Rail transport- Classification code (RID) : FC
Special provisions (RID) : 274
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, R001
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T7
Portable tank and bulk container special provisions (RID) : TP1, TP28
Tank codes for RID tanks (RID) : L4BN
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12

Colis express (express parcels) (RID) : CE4
Hazard identification number (RID) : 38
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 REACH substances with Annex XVII restrictions
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, Highly 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. BlmSchV (Hazardous Incident Ordinance)
Netherlands
SZW-lijst van kankerverwekkende stoffen : C.I. Basic Red 9,Phenol,Ethanol are listed
SZW-lijst van mutagene stoffen : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : Ethanol is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : Ethanol is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : Ethanol is listed
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
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal
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.
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