Material Safety Data Sheet

DI ETHYLENE GLYCOL LR Digol (RXSOL-60-6604-449)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-449
Product Type	DI ETHYLENE GLYCOL LR Digol
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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2. Composition / informationon ingredients

2.1. Substance: DIETHYLENE GLYCOL FOR SYNTHESIS
CAS No : 111-46-6
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]
Acute toxicity (oral), H302
Category 4
Classification according to Directive 67/548/EEC or 1999/45/EC
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) : Xi : Irritation
Xn: Harmful
R Phrase(s) : R19: May form explosive peroxides.
R20/22: Harmful by inhalation and if swallowed.
S Phrase(s) : S24/25 : Avoid contact with skin and eyes.
Hazard pictograms

Signal word : Warning
Hazard statements: H302 - Harmful if swallowed
3.3. Other hazards
No additional information available

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4. First Aid Measures

4.1. Description of first aid measures
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.
First-aid measures after skin contact : Rinse skin with water/shower. If skin irritation

occurs: Get medical advice/attention.
First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after ingestion : Harmful if swallowed.
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 : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO_2).
Unsuitable extinguishing media : Do not use a heavy water stream.
5.2. Special hazards arising from the substance or mixture
Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form explosive peroxides.
5.3. Advice for firefighters
Firefighting instructions : DO NOT fight fire when fire reaches explosives. Evacuate area.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures : No naked lights. No smoking. Use special care to avoid static electric charges.
Remove ignition sources.
6.1.1. For non-emergency personnel
No additional information available
6.1.2. For emergency responders
No additional information available
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. 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

7.1. Precautions for safe handling
Additional hazards when processed : Hazardous waste due to potential risk of explosion.
Precautions for safe handling : Keep away from sources of ignition - No smoking. No naked lights. No smoking.
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.
Storage conditions : Keep in fireproof place. Store in original container. Store in a dry place.
Incompatible products : Oxidizing agent.
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 : Wear respiratory protection

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties
Odour threshold : No data available
pH : 5 - 8 at 500 g/l at 20 °C
Relative evaporation rate (butylacetate=1) : 37.5
Melting point : -10 °C
Freezing point : No data available
Boiling point : 123 °C
Flash point : 123 °C
Auto-ignition temperature : 229 °C
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : 0.04 hPa at 20 °C
Relative vapour density at 20 °C : 3.66
Relative density : No data available
Density : 1.118 g/cm³
Solubility : Water: Infinitely soluble
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 : 0.02 - 0.123 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 of use.
10.3. Possibility of hazardous reactions
Reacts vigorously with strong oxidizers and acids.
10.4. Conditions to avoid
Heat. Sparks. Open flame. Direct sunlight. Overheating.
10.5. Incompatible materials
Oxidizing agent.
10.6. Hazardous decomposition products
May form explosive peroxides..

11. Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Oral: Harmful if swallowed.
Skin corrosion/irritation : Not classified
pH: 5 - 8 at 500 g/l at 20 °C
Serious eye damage/irritation : Not classified
pH: 5 - 8 at 500 g/l at 20 °C
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential adverse human health effects and symptoms : Harmful if swallowed.

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
Product/Packaging disposal recommendations : Dispose of contents/container to ...
Additional information : Hazardous waste due to potential risk of explosion.

14. Transport information

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
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

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations
No REACH Annex XVII restrictions
DIETHYLENE GLYCOL is not on the REACH Candidate List
DIETHYLENE GLYCOL is not on the REACH Annex XIV List
15.1.2. National regulations
Germany
AwSV/VwVwS Annex reference : Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 2; WGK No 79)
12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
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

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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