Material Safety Data Sheet

Hand Gloves Chemical resistance (RXSOL-64-2601-001)

1. Product and Company Identifaction

Product Name	RXSOL-51-6004-025
Product Type	H-100 Glycol

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333 / 5555 / 9999
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Ingredient	%W/W	CAS number
ethylene glycol	60-100	107-21-1

3. Hazards Identification

Eye irritant. Harmful if swallowed.

4. First Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Induce vomiting only on the direct advice of a poison control centre. Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention
Eye contact	Flush with plenty of water for at least 15 minutes. Get medical attention.
Skin contact	Remove contaminated clothing and flush with plenty of water.

5. Fire-fighting Measures

Flash point (test method)	116C (pensky-martens)
Flammable limits (%)	Non-flammable
Lower	Not applicable.
Upper	Not applicable
Fire extinguishing substances	Use dry chemicals, carbon dioxide, water spray or foam.
Autoignition temperatures	May liberate carbon monoxide, carbon dioxide, irritating aldehydes and keytones.
Hazardous combustion products	May liberate carbon oxides and nitrogen oxides.

Explosion data	
Sensitivity to mechanical impact	Not applicable
Sensitivity to static discharge	Not applicable
Special firefighting procedures	As for surrounding fire.

6. Accidental Release Measures

Personal precautions	Wear appropriate protective equipment.
Environmental precautions	Prevent from entering sewers, waterways or low areas.
Methods for cleaning up	Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. Handling and Storage

Handling	Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	Keep out of reach of children. Keep container tightly closed. Store in a cool, dry area.

8. Exposure controls and personal protection

Engineering controls	Provide exhaust ventilation to keep airborne levels below recommended exposure limits.
Respiratory protection	Not normally necessary. An N95 NIOSH respirator may be worn.
Eye protection	Chemical goggles. Wear a face shield if splashing hazards exists.
Other protection	Not normally necessary.

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
ethylene glycol	TLV CEIL: 100mg/m3 8 hours		

9. Physical and chemical properties

Physical state	Liquid
Solubility in water	Complete
Boiling point	Not available
Vapour pressure	Not available
Vapour density	Not available
Evaporation rate	Not available
Freezing point	-50C
Odour threshold	Not available
Sp. Gravity	1.079
pH	8.37
Appearance & odour	clear, colourless liquid

10. Stability and reactivity

Stability	Stable
Conditions of instability	Not available
Incompatibility	( ) Water (X) Oxidizers (X) Acid ( ) Base ( ) Other
Conditions of reactivity	Not available
Hazardous decomposition products	Not available

11. Toxicological information

POTENTIAL ACUTE HEALTH EFFECTS:

Inhalation	No known significant effects
Ingestion	No known significant effects
Eye contact	May cause temporary discomfort and redness
Skin contact	May cause temporary discomfort
Skin absorption	Not available
POTENTIAL CHRONIC HEALTH EFFECTS:	
Inhalation	Repeat or prolonged exposure may cause damage to lungs.
Ingestion	Not available
Eye contact	Not available
Skin contact	Prolonged contact may cause discomfort
Skin absorption	Not available
Irritancy of product	See WHMIS criteria
Sensitization of product	Not available
Carcinogenicity:	
IARC (1, 2A or 2B)	No known significant effects.
ACGIH: (A1, A2 or A3)	No known significant effects.
Reproductive toxicity	No known significant effects.
Teratogenicity	No known significant effects.
Mutagenicity	No known significant effects.
Synergistic product	Not available

HAZARDOUS INGREDIENTS	CAS NO	TOXICITY DATA
ethylene glycol	107-21-1	LD50 oral rat: 4700 m LD50 dermal rabbit: 9

12. Ecological information

Ecotoxicological information	Not available
Other information	

13. Disposal considerations

Waste disposal	Disposal of all waste must be done according to local, provincial and federal regulations.

14. Transport information

TDG classification	Not regulated

15. Regulatory information

WHMIS	D2A	Material Causing Other Toxic Effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. Other information

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.

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1. Product and Company Identifaction

Product Name	RXSOL-51-6004-025
Product Type	H-6040 Glycol Solution

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333 / 5555 / 9999
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Ingredient	%W/W	CAS number
ethylene glycol	60-100	107-21-1

3. Hazards Identification

Eye irritant. Harmful if swallowed.

4. First Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Induce vomiting only on the direct advice of a poison control centre. Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention
Eye contact	Flush with plenty of water for at least 15 minutes. Get medical attention.
Skin contact	Remove contaminated clothing and flush with plenty of water.

5. Fire-fighting Measures

Flash point (test method)	not available
Flammable limits (%)	Non-flammable
Lower	Not applicable.
Upper	Not applicable
Fire extinguishing substances	Use dry chemicals, carbon dioxide, water spray or foam.
Autoignition temperatures	Not applicable
Hazardous combustion products	May liberate carbon monoxide, carbon dioxide, irritating aldehydes and keytones.
Explosion data	
Sensitivity to mechanical impact	Not applicable
Sensitivity to static discharge	Not applicable
Special firefighting procedures	As for surrounding fire.

6. Accidental Release Measures

Personal precautions	Wear appropriate protective equipment.
Environmental precautions	Prevent from entering sewers, waterways or low areas.

Methods for cleaning up	Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. Handling and Storage

Handling	Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	Keep out of reach of children. Keep container tightly closed. Store in a cool, dry area.

8. Exposure controls and personal protection

Engineering controls	Provide exhaust ventilation to keep airborne levels below recommended exposure limits.
Respiratory protection	Not normally necessary. An N95 NIOSH respirator may be worn.
Eye protection	Chemical goggles. Wear a face shield if splashing hazards exists.
Other protection	Not normally necessary.

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
ethylene glycol	TLV CEIL: 100mg/m3 8 hours		

9. Physical and chemical properties

Physical state	Liquid
Solubility in water	Complete
Boiling point	Not available
Vapour pressure	Not available
Vapour density	Not available
Evaporation rate	Not available
Freezing point	-50C
Odour threshold	Not available
Sp. Gravity	1.079
pH	8.37
Appearance & odour	clear, colourless liquid

10. Stability and reactivity

Stability	Stable
Conditions of instability	Not available
Incompatibility	( ) Water (X) Oxidizers (X) Acid ( ) Base ( ) Other
Conditions of reactivity	Not available
Hazardous decomposition products	Not available

11. Toxicological information

POTENTIAL ACUTE HEALTH EFFECTS:

Inhalation	Irritating to respiratory system.
Ingestion	Toxic if swallowed. Causes headache, weakness, confusion, dizziness, loss of coordination, fainting, nausea and vomiting, increased heart rate, decreased blood pressure, difficulty breathing and seeing, pulmonary edema, unconsciousness, convulsions, collapse and coma. Severe poisoning may cause death.
Eye contact	May cause temporary discomfort and redness
Skin contact	May cause temporary discomfort
Skin absorption	Not available
POTENTIAL CHRONIC HEALTH EFFECTS:	
Inhalation	Repeat or prolonged exposure may cause damage to lungs.
Ingestion	Not available
Eye contact	Not available
Skin contact	Prolonged contact may cause discomfort
Skin absorption	Not available
Irritancy of product	See WHMIS criteria
Sensitization of product	Not available
Carcinogenicity:	
IARC (1, 2A or 2B)	No known significant effects.
ACGIH: (A1, A2 or A3)	No known significant effects.
Reproductive toxicity	No known significant effects.
Teratogenicity	No known significant effects.
Mutagenicity	No known significant effects.
Synergistic product	Not available

HAZARDOUS INGREDIENTS	CAS NO	TOXICITY DATA
ethylene glycol	107-21-1	LD50 oral rat: 4700 m LD50 dermal rabbit: 9

12. Ecological information

Ecotoxicological information	Not available

Other information

13. Disposal considerations

Waste disposal	Disposal of all waste must be done according to local, provincial and federal regulations.

14. Transport information

TDG classification	Not regulated

15. Regulatory information

WHMIS	D2A	Material Causing Other Toxic Effects

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Email	mail@rxmarine.com

2. Composition / informationon ingredients

Ingredient	%W/W	CAS number
ethylene glycol	50	107-21-1

3. Hazards Identification

Eye irritant. Harmful if swallowed.

4. First Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Induce vomiting only on the direct advice of a poison control centre. Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention
Eye contact	Flush with plenty of water for at least 15 minutes. Get medical attention.
Skin contact	Remove contaminated clothing and flush with plenty of water.

5. Fire-fighting Measures

Flash point (test method)	not available
Flammable limits (%)	Non-flammable
Lower	Not applicable.
Upper	Not applicable
Fire extinguishing substances	Use dry chemicals, carbon dioxide, water spray or foam.
Autoignition temperatures	Not applicable
Hazardous combustion products	May liberate carbon monoxide, carbon dioxide, irritating aldehydes and keytones.
Explosion data	
Sensitivity to mechanical impact	Not applicable
Sensitivity to static discharge	Not applicable
Special firefighting procedures	As for surrounding fire.

6. Accidental Release Measures

Personal precautions	Wear appropriate protective equipment.
Environmental precautions	Prevent from entering sewers, waterways or low areas.
Methods for cleaning up	Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

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Other protection	Not normally necessary.

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
ethylene glycol	TLV CEIL: 100mg/m3 8 hours		

9. Physical and chemical properties

Physical state	Liquid
Solubility in water	Complete
Boiling point	Not available
Vapour pressure	Not available
Vapour density	Not available
Evaporation rate	Not available
Freezing point	-40C
Odour threshold	Not available
Sp. Gravity	1.06
pH	8.37
Appearance & odour	clear, colourless liquid

10. Stability and reactivity

Stability	Stable
Conditions of instability	Not available
Incompatibility	( ) Water (X) Oxidizers (X) Acid ( ) Base ( ) Other
Conditions of reactivity	Not available
Hazardous decomposition products	Not available

11. Toxicological information

POTENTIAL ACUTE HEALTH EFFECTS:

Inhalation	Irritating to respiratory system.

Ingestion	Toxic if swallowed. Causes headache, weakness, confusion, dizziness, loss of coordination, fainting, nausea and vomiting, increased heart rate, decreased blood pressure, difficulty breathing and seeing, pulmonary edema, unconsciousness, convulsions, collapse and coma. Severe poisoning may cause death.
Eye contact	May cause temporary discomfort and redness
Skin contact	May cause temporary discomfort
Skin absorption	Not available
POTENTIAL CHRONIC HEALTH EFFECTS:	
Inhalation	Repeat or prolonged exposure may cause damage to lungs.
Ingestion	Not available
Eye contact	Not available
Skin contact	Prolonged contact may cause discomfort
Skin absorption	Not available
Irritancy of product	See WHMIS criteria
Sensitization of product	Not available
Carcinogenicity:	
IARC (1, 2A or 2B)	No known significant effects.
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Reproductive toxicity	No known significant effects.
Teratogenicity	No known significant effects.
Mutagenicity	No known significant effects.
Synergistic product	Not available

HAZARDOUS INGREDIENTS	CAS NO	TOXICITY DATA
ethylene glycol	107-21-1	LD50 oral rat: 4700 m LD50 dermal rabbit: 9

12. Ecological information

Ecotoxicological information	Not available
Other information	

13. Disposal considerations

Waste disposal	Disposal of all waste must be done according to local, provincial and federal regulations.

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TDG classification	Not regulated

15. Regulatory information

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