Material Safety Data Sheet

Beaker (RXSOL-61-2865-001)

1. Product and Company Identifaction

Product Name	RXSOL-22-2205-025
Product Type	**ACIERSOLV 2**

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

DANGEROUS INGREDIENTS

INGREDIENTS	Conc % W/W	CAS no	EXPOSITION CL50	LETHAL DOSE INGESTION DL50
Phosphoric acid	15 - 40	7664-38-2	N/D	1530mg/kg

3. Hazards Identification

N/A

4. First Aid Measures

FIRST AID

Ocular contact	To rinse with water for at least 15 minutes by keeping the large eyes open . To consult a doctor without delay.
Contact dermic	To remove contaminated clothing. To immediately rinse the skin reached with water for at least 15 minutes. To consult a doctor if an irritation persists
Ingestion	To give 1 to 2 glasses water or of milk if nobody conscious. Do not induce vomitting consult a doctor immediately.
Inhalation	To bring the victim to the fresh air. To manage oxygen or artificial respiration if necessary.

5. Fire-fighting Measures

EXPLOSION AND FIRE HAZARDS

Point flash	Superior at 95 C
Threshold of inflammability	N/D
Means of extinction	Carbon dioxide (CO2), chemical foam
Temperature of spontaneous combustion	N/D

6. Accidental Release Measures

PRECAUTIONARY MEASURES

Ocular protection	Protective glasses or facial masks.
Respiratory protection	Mask with cartridge for the organic vapors and the acid vapors caused by the reaction with chlorides during cleanings. The use of mask against the particles which would make it possible to protect the respiratory tracts against the phosporic fog of acid is strongly suggested.
Dernnic protection	Rubber gloves and clothing protective (boots and hats).
Technical Installation	Local or general ventilation. To absorb the escape with solid absorbents , (vermiculites or bran of saw) To rinse with much water.
Waste disposal	To conform to the laws on the rejections of waste, local, provincial and federal.
Handling and storage	To preserve in a container closes in a dry, fresh place from heat.
Special method	To carry a self rescuer. To sprinkle the containers with water. To keep with the expenses.

7. Handling and Storage

N/A

8. Exposure controls and personal protection

N/A

9. Physical and chemical properties

PHYSICAL CHARACTERISTICS

Aspect	transparent liquid
Point of boiling	Superior at 100 C
Point of Freezing	Inferior at 0 C
pH (Such as it is)	1 (very acid)
Density (20 C)	1.12g/cc
Solubility in water	Complete

10. Stability and reactivity

DATA ON THE REACTIVITY

Chemical stability	Stable in normal condition of use.

Incompatibility with other substances	Oxidizing matters, Alkaline matters. Caustic soda, Potash caustic, Ammonium, Hypoclrites.
Reaction of polymerization	None
Hazardous substance coming from decomposition	Carbon dioxide

11. Toxicological information

TOXICOLOGICAL PROPERTIES OF THE PRODUCT

Effects of the acute exposure on the routes of administration.

Ocular contact	Irritation under direct contact and the vapors irritate the eyes.
Dermique contact	This product degreases and drains the skin. It is very irritating for the skin.
Inhalation	The vapors irritate the nose and the throat.
Ingestion	Can cause headaches, nauseas, vomiting.
Effects of the chronic exposure to the product	N/D
Cancerogenicity	No
Mutagenicity	No
Teratogenicity	No
Synergy	No
Sensitizing	No

12. Ecological information

N/A

13. Disposal considerations

N/A

14. Transport information

N/A

15. Regulatory information

N/A

16. Other information

N/A

---

1. Product and Company Identifaction

Product Name	RXSOL-22-2205-025
Product Type	**INOXSOLVE**

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

DANGEROUS INGREDIENTS

INGREDIENTS	Conc % W/W	CAS no	EXPOSITION CL50	LETHAL DOSE INGESTION DL50
Sulphuric acid	25 - 40	7664-93-9	N/D(rat-oral)	2140mg/kg

3. Hazards Identification

N/A

4. First Aid Measures

FIRST AID

Ocular contact	To rinse with water for at least 15 minutes by keeping the open large eyes . To consult a doctor or an ophthalmologist with no delay
Contact dermic	To wash the skin contaminated with tap water.
Ingestion	To give 1 to 2 glasses water or of milk if nobody conscious. Do not induce vomitting consult a doctor immediately or contact poisons center Poisons center: 1-800-463-5060
Inhalation	To bring the victim to the fresh air. To manage oxygen or artificial respiration if necessary.

5. Fire-fighting Measures

EXPLOSION AND FIRE HAZARDS

Inflammability	No

Condition of inflammability	None
Means of extinction	Water, chemical foam, carbon dioxide
Point flash and method (open vase)	Superior with 95 ° C
Threshold of inflammability	Maximum = N/D Minimal = N/D
Temperature of spontaneous combustion	N/D
Products of dangerous combustion	Carbon dioxide
Data on the explosiveness sensitivity to the shocks	N/D
Data on the explosiveness sensitivity to the electro discharges statics	N/D

6. Accidental Release Measures

PRECAUTIONARY MEASURES

Ocular protection	We advise to carry protective glasses or facial masks.
Respiratory protection	Mask with approved catridge against acid vapor
Skin protection	We advise to wear protection or rubber gloves.
Measurements in the event of escapes	To collect the reversed product and to put in well identified containers. To conform to the residues left on the ground.
Waste disposal	To conform to the laws on the rejections of waste, local, provincial and federal.
Handling and storage	To preserve in a container closed in a dry, fresh place.

7. Handling and Storage

N/A

8. Exposure controls and personal protection

N/A

9. Physical and chemical properties

PHYSICAL CHARACTERISTICS

Physical Status	Transparent liquid
Boiling Point	100 °C
Freezing Point	0°C
pH (such as it is)	1 (Very acid)
Viscosity (25°C)	S/O
Density	1.15g/cc
Vapor Pressure	N/D
Solubility in water	Complete
Vapor Density	N/D

10. Stability and reactivity

DATA ON THE REACTIVITY

Chemical stability	Stable in normal condition of use.
Incompatibility with other substances	Oxidizing matters, Alkaline matters. Caustic soda, Potash caustic, Ammonium, Hypoclrites.
Reaction of polymerization	None
Hazardous substance coming from decomposition	Carbon dioxide

11. Toxicological information

TOXICOLOGICAL PROPERTIES OF THE PRODUCT

Effects of the acute exposure on the routes of administration.

Limit of Exposure	N/D
Ways of absorption	Inhalation ( ) Eyes (X) Skin (X) Ingestion (X)
Effects of the chronic exposure to the product	N/D
Ocular contact	Irritation under contact and the vapors irritate the eyes.
Dermique contact	This product degreases and dries the skin.
Inhalation	The aerosols irritate the nose and the throat.
Ingestion	Can cause headaches, nauseas, vomiting.
Cancerogenicity	None
Toxic effects on reproduction	N/D
Teratogenicity	None
Mutagenicity	None
Name of the products syneristic	None

12. Ecological information

N/A

13. Disposal considerations

N/A

14. Transport information

N/A

15. Regulatory information

N/A

16. Other information

N/A

---

1. Product and Company Identifaction

Product Name	RXSOL-22-2205-025
Product Type	**UNICA MAX**

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

INGREDIENTS	Conc % W/W	CAS no	EXPOSITION CL50	LETHAL DOSE INGESTION DL50
Propolyne glycol	1 - 5	57-55-6	N/D	N/D

3. Hazards Identification

N/A

4. First Aid Measures

FIRST AIDS

Contact with Eyes	Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting upper and lower lids. Get medical attention at once.
Contact with skin	Safe for skin but should be rinsed off with water.

Ingestion	If this product is swallowed, do not induce vomiting. If victim is conscious give plenty of water to drink. Get medical attention at once.
Inhalation	Safe for inhalation

5. Fire-fighting Measures

EXPLOSION AND FLAMMABILITY DATA

Flammable	No
Condition	Nothing
Extinction	Chemical foam, carbon dioxide, water
Flash Point (open cup)	Superior at 95° C
Auto-inflammation temperature	N/D
Dangerous product made by combustion	Carbon dioxide.

6. Accidental Release Measures

PREVENTIVES MEASURES

Eyes Protection	No object
Respiratory Protection	no precaution needed
Skin Protection	No object
Technical installation	No precaution needed
Measures if a leaks and spills	Take off the leaks and put in a identify drums Rinse the floor with water
Elimination	Conform with federal and provincial laws Put in a closed material. Protect against the freeze

7. Handling and Storage

N/A

8. Exposure controls and personal protection

N/A

9. Physical and chemical properties

PHYSICAL DATA

Physical State	Blue liquid
Boiling Point	100°C
Odour	Fresh odor
pH	10.0 ± 0.5

Freeze Point	0°C
Specific Density (20°C)	1.03g/cc
Vapor Pressure	N/D
Water solubility	yes
Vapor Density	N/D

10. Stability and reactivity

REACTIVITY DATA

Chemical stability	Stable
Incompatibility with other products	Reductor, oxidant
Conditions	If the product enter in contact with very reductor metal, (aluminium powder) it can produce hydrogen.
Polymerization	None
Decomposition product	Carbon dioxide

11. Toxicological information

TOXICOLOGICAL DATA

Exposition limit	N/D
Absorption way	Inhalation ( ) Eyes (X) Skin ( ) Ingestion (X)
Chronics exposure with the product	N/D
Inhalation	No Object
Eyes	Eyes Irritation.
Skin	Soap can irritate skin if it is apply directly on skin.
Ingestion	Irritation nausea
Cancerogenicity	None
Toxic effect on reproduction	None
Teratogenicity	None
Mutagenicity	None
Synergics products	None

12. Ecological information

N/A

13. Disposal considerations

N/A

14. Transport information

N/A

15. Regulatory information

N/A

16. Other information

N/A

---

1. Product and Company Identifaction

Product Name	RXSOL-22-2205-025
Product Type	**UNIA ULTRA HE**

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

INGREDIENTS	Conc % W/W	CAS no	EXPOSITION CL50	LETHAL DOSE INGESTION DL50
Propolyne glycol	1 - 5	57-55-6	N/D	N/D
Dodecylbenznesulfonate de soude	15 - 40	25155-30-0	N/D	N/D

3. Hazards Identification

N/A

4. First Aid Measures

FIRST AIDS

Contact with Eyes	Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting upper and lower lids. Get medical attention at once.
Contact with skin	Safe for skin but should be rinsed off with water.

Ingestion	If this product is swallowed, do not induce vomiting. If victim is conscious give plenty of water to drink. Get medical attention at once.
Inhalation	Safe for inhalation

5. Fire-fighting Measures

EXPLOSION AND FLAMMABILITY DATA

Flammable	No
Condition	Nothing
Extinction	Chemical foam, carbon dioxide, water
Flash Point (open cup)	Superior at 65° C
Auto-inflammation temperature	N/D
Dangerous product made by combustion	Carbon dioxide, Carbon monoxide

6. Accidental Release Measures

PREVENTIVES MEASURES

Eyes Protection	No object
Respiratory Protection	no precaution needed
Skin Protection	No object
Technical installation	No precaution needed
Measures if a leaks and spills	Take off the leaks and put in a identify drums Rinse the floor with water
Elimination	Conform with federal and provincial laws Put in a closed material. Protect against the freeze

7. Handling and Storage

N/A

8. Exposure controls and personal protection

N/A

9. Physical and chemical properties

PHYSICAL DATA

Physical State	Blue liquid
Boiling Point	100°C
Odour	Fresh odor
pH	9.0 ± 0.5

Freeze Point	0°C
Specific Density (20°C)	1.05g/cc
Vapor Pressure	N/D
Water solubility	yes
Vapor Density	N/D

10. Stability and reactivity

REACTIVITY DATA

Chemical stability	Stable
Incompatibility with other products	Reductor and oxidant
Conditions	If the product enter in contact with very reductor metal, (aluminium powder) it can produce hydrogen.
Polymerization	None
Decomposition product	Carbon monoxide

11. Toxicological information

TOXICOLOGICAL DATA

Exposition limit	N/D
Absorption way	Inhalation ( ) Eyes (X) Skin ( ) Ingestion (X)
Chronics exposure with the product	N/D
Inhalation	No Object
Eyes	Eyes Irritation.
Skin	Soap can irritate skin if it is apply directly on skin.
Ingestion	Irritation nausea
Cancerogenicity	None
Toxic effect on reproduction	None
Teratogenicity	None
Mutagenicity	None
Synergics products	None

12. Ecological information

N/A

13. Disposal considerations

N/A

14. Transport information

N/A

15. Regulatory information

N/A

16. Other information

N/A

---

1. Product and Company Identifaction

Product Name	RXSOL-22-2205-025
Product Type	**AUTOLAVE 2**

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

INGREDIENTS	Conc % W/W	CAS no	EXPOSITION CL50	LETHAL DOSE INGESTION DL50
Sodium lauryl sulfate	1 - 5	151-21-3	N/D	1288mg/kg(rat-oral)

3. Hazards Identification

N/A

4. First Aid Measures

FIRST AIDS

Contact with Eyes	Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting upper and lower lids. Get medical attention at once.
Contact with skin	This product is formulated for use on the skin, but it should be rinsed off with water.

Ingestion	If this product is swallowed, do not induce vomiting. If victim is conscious give plenty of water to drink. Get medical attention at once.
Inhalation	Move exposed person to fresh air. If irritation persists. Get medical attention promptly.

5. Fire-fighting Measures

EXPLOSION AND FLAMMABILITY DATA

Flammable	No
Condition	Nothing
Extinction	Chemical foam, carbon dioxide, water
Flash Point (open cup)	Superior at 95° C
Auto-inflammation temperature	N/D
Dangerous product made by combustion	Carbon dioxide

6. Accidental Release Measures

PREVENTIVES MEASURES

Eyes Protection	With normal use, nothing protecting need
Respiratory Protection	No object
Skin Protection	No object
Technical installation	No object
Measures if a leaks and spills	Take off the leaks and put in a identify drums Rinse the floor with water
Elimination	Conform with federal and provincial laws Put in a closed material. Protect against the freeze

7. Handling and Storage

N/A

8. Exposure controls and personal protection

N/A

9. Physical and chemical properties

PHYSICAL DATA

Physical State	Red viscous liquid
Boiling Point	100°C
Odour	Cherry odor
pH	7.5 ± 0.5

Freeze Point	0°C
Specific Density (20°C)	1.03g/cc
Vapor Pressure	N/D
Water solubility	yes
Vapor Density	N/D

10. Stability and reactivity

REACTIVITY DATA

Chemical stability	Stable
Incompatibility with other products	Reductor and oxidant
Conditions	If the product enter in contact with acid or oxidizer product they could be produce hot temprature.
Polymerization	None
Decomposition product	Carbon dioxide

11. Toxicological information

TOXICOLOGICAL DATA

Exposition limit	N/D
Absorption way	Inhalation ( ) Eyes (X) Skin ( ) Ingestion (X)
Chronics exposure with the product	N/D
Inhalation	No Object
Eyes	Eyes Irritation.
Skin	No Object
Ingestion	Irritation nausea
Cancerogenicity	None
Synergics products	None

12. Ecological information

N/A

13. Disposal considerations

N/A

14. Transport information

N/A

15. Regulatory information

N/A

16. Other information

N/A