



RXSOL

VARANASI CHEMICAL | RX MARINE INTERNATIONAL

RXSOL-60-6101-500

Hydrochloric Acid LR 500 ml

Material Safety Data Sheet (MSDS)

1. Product and Company Identification

www.rxmarine.com

Product Name	:	RXSOL-19-1449-050
Product Type	:	TOLUENE Pure. C ₆ H ₅ .CH ₃
Chemical Family	:	Aromatic Hydrocarbon
Product Description	:	Clear Colourless

Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

VASHI ,NEW BOMBAY 400703 INDIA

Stock Point ::: Kandla, Mumbai, Kolkata, Chennai, Visakhapatnam, Fujairah

Phone	:	+91 22 27815541 / 42
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Email	:	mail@rxmarine.com

2. Composition / Information on ingredients

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Name	CAS#	% by Weight
Toluene	F, Xn, R11, R20	99.89

3. Hazards Identification

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Health Hazards	Harmful by Inhalation
Physical / Chemical And Fire Exploslon	From Flammable Mixtures.

4. First Aid Measures

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Inhalation, Skin Contact, Eye Contact, Ingestion.

5. Fire-fighting Measures

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Procedure	Use Water Spray To Cool Fire Exposed, Surfaces, Protect Personal, and Shut Of "Fuel" to Fire.Allow Fire To Burn Under Controlled Conditions, Extinguish With Alcohol Type Foam or Dry Chemical. Cover Liquid Spill With Foam.
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6. Accidental Release Measures

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- Eliminate Ignition Sources. Prevent Liquid Enters Sewers, Water Sources, Low Area.
- Spill With Sand Earth . Dilute Contalend Spill With Water. Dispose Recover Material Conforms To local Regulation.
- Keep Public Away.

7. Handling and Storage

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Storage / Transport Temperture : Amblent	Loading / Unloading Tremperature: Amblent
Loading / Unloading Viscosity: 0.64	Storage / Transport Pressure: Atmospheric
Electrostatics Accumulation Hazards: Yes	Shipping Containers: Rall Wagons, Tanks Trucks, Tankers, Burges, Drums.
Materials Suitable : Carbon Steel, Stainless Still, Polyesters, Teflon.	Materials Unsuitable: Natural Rubber, Butyl Rubber, EPDM, Polyestylene, Polyethylene, Polyproplene, Polvinyl Chloride, Polyacylonitrite.
- Keep Container Closed,Store Cool And Well Ventilated, Open Slowly To Control Released Pressure. - Keep Away From Flame, Direct Sunlight, Store Cool And Well Ventilated. - Do Not Reuse Empty Containers W/OCleaning. Obserevs all Precauations For Empty Containers.	

8. Exposure controls and personal protection

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Engineering Control Measures / Ventilation	Use Local Exhaust Ventilation To Control process.Provide Mechanical Ventilation Of Confined Spaces. Use Explosion Proof Ventilation Equipment.
Occupational Expourse Limits (OEL) Values	TWA; 50ppm (188mg/m ³) (Skin) ACIGH (2000).
Personal Protection	Vapor Respirator, Gloves, Goggles, Full Suit, Footwear.

9. Physical and chemical properties

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Physical State	:	Liquid	Form / Color	:	Clear Colorless
Odor	:	Hydcarbon Odor	Odor Threshold	:	N/A
Ph	:	N/A	Freezing / Melting Point	:	95*c
Boiling Point Range	:	110-111* c	Flash Point (Tcc ASTM D 56)	:	5*c
Explosive Limits (In Air)	:	1.3-6.7 vol%	Vapor Presure (38*c)	:	7kPa
Auto Ignition Temperture	:	>630* c	Density (15*c)	:	0.865 kg / dm
Specific Gravity (15.0 / 15.0)	:	0.865	Vapour Density (101.3kPa/air=1)	:	>1.00

Solubility In Water (25*c)	:	0.05 WT%	Material Hydroscope	:	No
Viscosity (26*c)	:	0.64cST	Evaporator Rate (n- Bu Acetate=1)	:	2,400
Coeff, Of Thermal Expansion (Liq)	:	0.00106*c	Moiecular Weight	:	92

10. Stability and reactivity

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Hazardous Pollymerization: No	Condition To Avoid Pollymerization : NA
Stability : Stable	Condition To Avoid Instability : NA
Materials and Conditions To Avoid: Strong Oxidizing agents Hazardous Docompositions Products : None	

11. Toxicological information

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Inhalation	Irritating to Eyes and Respiratory tract, diziness, central nervous System Effects. Negllgble Hazard between -18*c to 38*c
Skin Contact	Dry Skin, Low Order Of Toxicity.
Eye Contact	Cause Eyes Discomfort But Will Not Injure Eye Issue.
Ingestion	Minimal Toxicity, Small Amounts May Cause bronchpneumonia or Pulmonary edema.

12. Ecological information

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Enviromental Mobility	Highly Volatile and Will rapidly evaporate To The air If released Into The Water.
Enviromental Degradability	Biodegrade Rapidly, Remove In Wastewalar Treatment Facility.
Ecotoxicity and Bioaccumulation	Expected to Be Harmful to Aquatic Organisms

13. Disposal considerations

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- Combine With Other Materials To Indicate another Roule Of Disposal
- Recycle, Recover Or Dispose Empty Drums Through a Suitably Qualified Or Licenced Contractor.
- Ensure Compliance With National And Local Regulation.
- Not Suitable For Disposal eighter Landfill or via muncipal sewers, Drains , Naturals Streams or Rivers, This Product is ash less and can be burned directly in aproprate eqiptment.
- Contact Local TRansmare Chemical Company Supplier Or Local Authorities for More Information.

14. Transport information

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	Land	Sea	Air
Class	3	3	3
Pg	II	II	II

Un Number	1294	1294	1294
Subsidiary Risk	Nil	Nil	Nil
Transport Document Name	Toluene, Glass3, UN 1294, PG II, (5°C c.c.)	Toluene, Glass3, UN 1294, PG II, (5°C c.c.)	Toluene
Others	Hazchem Code : 3YE	Marine Pollutant : No EMS Number : F-E. S-D Risk Label 3	

15. Regulatory information

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Classification And Labeling Classification / Symbol : Highly Flammable / F Classification / Symbol : Harmful / Xn	Governing Directive : Dangerous Substances Directive 67 / 648 / EC Label Name : Toluene
Nature Of Special Risk: R11: Highly Flammable R20 Harmful By Inhalation	Safety Advise: S07 / 09 : Keep Container Close & Well Ventilated. S16 : Keep Away From Sources Of Ignition. S25 : Avoid Eye Contact. S29 : Do Not Empty Into Drains. S33 : Take Precautionary Measures Against Static Discharges. S43A :In Case Of Fire, Use Sand, Earth, Chemical Powder Alcohol Type Foam.

16. Other information

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