

Material Safety Data Sheet

TOLUENE Pure. C₆H₅.CH₃ 210 Kg (RXSOL-19-1449-210)



1. Product and Company Identification

Product Name : RXSOL-19-1449-210
Product Type : TOLUENE Pure. C₆H₅.CH₃ 210 Ltr
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
Fax : +91 22 2781 1318 :::AOH :0091 9821214367
Email : mail@rxmarine.com

2. Composition / information on ingredients

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

3. Hazards Identification

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

4. First Aid Measures

Inhalation, Skin Contact, Eye Contact, Ingestion.

5. Fire-fighting Measures

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.

6. Accidental Release Measures

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

7. Handling and Storage

Storage / Transport Temperature : Ambient

Loading / Unloading Temperature: Ambient

Loading / Unloading Viscosity: 0.64

Storage / Transport Pressure: Atmospheric

Electrostatics Accumulation Hazards: Yes

Shipping Containers: Rail Wagons, Tanks Trucks, Tankers, Barges, Drums.

Materials Suitable : Carbon Steel, Stainless Steel, Polyesters, Teflon.

Materials Unsuitable: Natural Rubber, Butyl Rubber, EPDM, Polystyrene, Polyethylene, Polypropylene, Polyvinyl Chloride, Polyacrylonitrile.

- 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 Without Cleaning. Observe all Precautions For Empty Containers.

8. Exposure controls and personal protection

Engineering Control Measures / Ventilation

Use Local Exhaust Ventilation To Control process. Provide Mechanical Ventilation Of Confined Spaces. Use Explosion Proof Ventilation Equipment.

Occupational Exposure Limits (OEL) Values

TWA; 50ppm (188mg/m³) (Skin) ACGIH (2000).

Personal Protection

Vapor Respirator, Gloves, Goggles, Full Suit, Footwear.

9. Physical and chemical properties

Physical State	: Liquid	Form / Color	: Clear Colorless
Odor	: Hydrocarbon 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 Pressure (38°C)	: 7kPa
Auto Ignition Temperature	: >630°C	Density (15°C)	: 0.865 kg / dm ³
Specific Gravity (15.0 / 15.0)	: 0.865	Vapor Density (101.3kPa/air=1)	: >1.00
Solubility In Water (25°C)	: 0.05 WT%	Material Hydroscopic	: No
Viscosity (26°C)	: 0.64cST	Evaporation Rate (n- Bu Acetate=1)	: 2,400

10. Stability and reactivity

Hazardous Polymerization: No

Condition To Avoid Polymerization : NA

Stability : Stable

Condition To Avoid Instability : NA

Materials and Conditions To Avoid: Strong Oxidizing agents

Hazardous Decomposition Products : None

11. Toxicological information

Inhalation	Irritating to Eyes and Respiratory tract, dizziness, central nervous System Effects. Negligible 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 bronchopneumonia or Pulmonary edema.

12. Ecological information

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

13. Disposal considerations

- Combine With Other Materials To Indicate another Route Of Disposal
- Recycle, Recover Or Dispose Empty Drums Through a Suitably Qualified Or Licensed Contractor.
- Ensure Compliance With National And Local Regulation.
- Not Suitable For Disposal either Landfill or via municipal sewers, Drains, Natural Streams or Rivers, This Product is ash less and can be burned directly in appropriate equipment.
- Contact Local Transmare Chemical Company Supplier Or Local Authorities for More Information.

14. Transport information

	Land	Sea	Air
Class	3	3	3
Pg	II	II	II

Un Number	1294	1294	1294
Subsidlary 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

Classification And Laeling
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

Since 07 July 2007, This MSDS Has Been Revised In Section (s) 2, 14, 15. This Information Relateds Only To The Material Designated And May Not Be Valid For Such Information Is To The Best Of Knowledge And Believed Accurate And Reliable As Of The Date Indicated. However, no Representation, Warranty Or Guarentee Is Made as to Its Accuary, Reliability of Completeness. It Is The User's Responsibility to satesfy himself as to the suitability and completeness of such Information for his Own Particular Use.

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