



RUSSOLVE 100
Safety Data Sheet

RusTech, Inc.
"WE ADD THE DIFFERENCE"

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY INFORMATION

Product Identification

- Trade Name: **RUSSOLVE 100**
- Product Use: Clean Up Solvent
- Restrictions on Use: Intended for industrial and professional users
- CAS#: 64742-95-6

Company Information

- RusTech, Inc.
11208 Decimal Drive
Louisville, KY 40299
502-267-7700
- Prepared by Department of Environmental, Health and Safety

Emergency number – (serviced 24 hours)

- CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

Flammable liquid	Category 3	Flammable liquid and vapor
Carcinogen	Category 2	Suspected of causing cancer
Specific Target Organ Toxicity	Category 3	May cause respiratory irritation
Specific Target Organ Toxicity	Category 3	May cause drowsiness or dizziness
Aspiration Hazard	Category 1	May be fatal if swallowed & enters airway

Label elements: This material requires a hazard warning label in accordance with GHS criteria

Pictogram:



Signal Word: **DANGER**

Hazard statement(s):

- H226: Flammable liquid and vapor.
- H351: Suspected of causing cancer.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.
- H304: May be fatal if swallowed and enters airway.

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Precautionary statement(s):

P201: Obtain special instructions before use
P202: Do not handle until all safety precautions have been read and understood
P281: Use personal protective equipment as required
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233: Keep container tightly closed.
P234: Keep only in original container
P242: Use only non-sparking tools.
P240: Ground/bond container and receiving equipment.
P241: Use explosion proof electrical/ventilating/lighting equipment
P242: Use only non-sparking tools
P243: Take precautionary measures against static discharge.
P261: Avoid breathing mists or vapors.
P271: Use only outdoors or in a well-ventilated area
P280: Wear protective gloves/protective clothing/eye protection/face protection
P301+P310: IF SWALLOWED: Immediately call a poison center or doctor/physician
P331: Do NOT induce vomiting
P303+P361+P353: IF ON SKIN (or hair): Remove immediately all clothing, rinse skin with shower or water
P308+P313: If exposed or concerned: Get medical advice
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P312: Call poison center of physician if you feel unwell
P370+P378: In case of fire use water fog, foam, dry chemical or carbon dioxide (CO2) for extinction
P403+ P235+P233: Store in well ventilated place. Keep cool. Keep container tightly closed
P405: Store locked up
P501: Dispose of contents/container in accordance with local/state/federal regulations.

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

- Chemical characterization: This material is defined as complex substance

Components:		
Chemical Name:	CAS#:	Content
Solvent Naphtha (Petroleum) Light Aromatic	64742-95-6	100%

- Hazardous Constituent(s) Contained in Complex Substance(s) required for disclosure

Components:		
Chemical Name:	CAS#:	Content
Cumene	98-82-8	<1.1%
1,2,4-Trimethylbenzene	95-63-6	<32%
Xylenes	1330-20-7	<2.2%

4. FIRST AID MEASURES

Inhalation: Move person away from exposure. If having difficulty breathing, administer oxygen. If breathing has stopped, administer artificial respiration and seek medical attention.

Eyes: Flush eyes with water lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin: Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek medical attention.

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Ingestion: Contact physician or Poison Control Center (PCC) immediately. Do NOT induce vomiting unless instructed to do by physician or PCC.

Note to physician: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water fog, foam, dry chemical or carbon dioxide (CO₂)

Unsuitable extinguishing media: Straight steams of water

Specific hazards in case of fire: Prevent runoff. Use water spray to cool fire exposed surfaces. Vapors are flammable and heavier than air. Flashback is a possibility.

Special protective equipment required for firefighting: SCBA (Self Contained Breathing Apparatus)

Additional information for firefighters: Incomplete combustion products, smoke, fume, oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

- Wear appropriate PPE
- Keep unprotected persons away
- Eliminate all ignition sources
- Use only non-sparking tools for cleanup and remediation

Environmental precautions:

- Prevent material from entering drains, septic systems, water sources, etc. using non-combustible dikes, absorbent materials and booms.

Material containment and clean up:

- Contain material with dikes. Absorb with non-combustible material and put in closed container. Remove spilled material to storage for proper disposal. Dispose of in accordance with local, state and federal regulations. See section 13.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid breathing mists or vapors. Use only with adequate ventilation. Prevent spills or leaks. Use proper bonding and grounding procedures. This material is a static accumulator. Prevent accumulation of static charge.

Information about protection against explosions and fires: Material and vapors are flammable. See section 5.

Information about safe storage: Store only in original container. Keep container closed. Store in a cool dry well ventilated area.

Shelf Life: 18 months

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

Additional information about exposure controls: Adequate ventilation should be provided so that exposure limits are not exceeded.

Exposure limit values. Exposure limits are not additive.

Substance	Form	Standard	Limit		Note	Source
Cumene		TWA	245 mg/m ³	50 ppm	Skin	OSHA Z1
Cumene		TWA	50 ppm		N/A	ACGIH
1,2,4-Trimethylbenzene		TWA	25 ppm		N/A	ACGIH

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Solvent Naphtha (Petroleum) Light Aromatic	Vapor	RCP-TWA	19 ppm	100 mg/m ³	Total hydrocarbons	Exxon Mobile
Xylenes		TWA	435 mg/m ³	100 ppm	N/A	OSHA Z1
Xylenes		STEL	150 ppm		N/A	ACGIH
Xylenes		TWA	100 ppm		N/A	ACGIH

PPE (personal protective equipment) and hygienic measures:

- Wear ANSI approved safety glasses or goggles to protect eyes
- Wear latex or rubber gloves to protect skin
- Wash hands thoroughly before breaks and at end of work day

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:

- Physical state: Liquid
- Color: Clear
- Odor: Aromatic
- Odor Threshold: Not determined

Physical properties:

- pH value (@70°F): N/A
- Specific gravity (@70°F): 0.874
- Density: Not determined
- Boiling point: 322°F / 161°C
- Freezing point/Melting point: 7°F / -14°C
- Decomposition temperature: Not determined
- Vapor pressure: 0.269 kPa (2.02 mm Hg) @ 20°C
- Vapor density: 4.2 at 101 kPa
- Evaporation rate: 0.27 (n-butyl acetate =1)
- Solubility in / Miscibility with water: negligible
- Auto ignition: 905°F / 485°C
- Flash point: 115°F / 46°C Method: ASTM D-56
- Lower / Upper Flammability Limits: LEL 0.9 UEL 6.2 (Approximate volume % in air)
- Viscosity: 0.75 cSt

10. STABILITY AND REACTIVITY

Material stability: Material is stable under normal conditions

Possibility of hazardous reactions: Hazardous polymerization will not occur

Incompatible materials to avoid: Strong oxidizers, nitric acid, sulfuric acid

Hazardous decomposition products: None expected during normal storage, handling and use

11. TOXICOLOGICAL INFORMATION

Hazard Class	Conclusion/Remarks
Inhalation	
Acute Toxicity (Rat) 4 hrs. LC50 > 6193 mg/m ³	Minimally Toxic. OECD Guideline 403

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Irritation: No end point for material	May be irritating to respiratory tract. Effects are reversible. Based on assessment of components.
Ingestion	
Acute Toxicity (Rat) LD50 3492 mg/kg	Minimally Toxic. OECD Guideline 401
Skin	
Acute Toxicity (Rabbit) LD50> 3160 mg.kg	Minimally Toxic. OECD Guideline 402
Skin Corrosion/Irritation: Data available	Mildly irritating to skin with prolonged exposure. OECD Guideline 404
Eye	
Serious eye damage/Irritation: Data available	May cause mild short lasting irritation to eyes. OECD Guideline 405
Sensitization	
Respiratory sensitization: No end point for material	Not expected to be a respiratory sensitizer
Skin sensitization: Data available	Not expected to be a skin sensitizer. OECD Guideline 406
Aspiration	
Aspiration: Data available	Material may be fatal if swallowed and enters airway. Based on chemical properties of the material.

12. ECOLOGICAL INFORMATION

The information is based on data available for the material, the components of the material and similar material.

Ecotoxicity: expected to be toxic to aquatic life with long term adverse effects

Biodegradation: expected to be readily biodegradable

Mobility in soil: Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

13. DISPOSAL CONSIDERATIONS

Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Potential RCRA characteristic: IGNITABILITY.

Empty Container Warning: Empty containers may contain residue and can be dangerous. Do not reuse empty container. Do not expose empty containers to heat, sparks, static electricity or other sources of ignition. Empty containers should be disposed of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Material is not regulated for transport under 49 CFR in a container of 119-gallon capacity or less when transported solely by land as long as the material is not considered a hazardous waste.

In containers of more than 119 gallons or transported as a hazardous waste:

UN1268, PETROLEUM DISTALLATES, N.O.S. COMBUSTIBLE LIQUID, PG III, RQ (Xylenes)

RQ for Xylenes – 100 lbs. / 45.36 kgs.

15. REGULATORY INFORMATION

- Sara 302 (extremely hazardous materials): not applicable
- Sara 311/312: Immediate health hazard, Delayed health hazard, Fire hazard
- Sara 313: Xylenes (<2.2%), Cumene (<1.1%) 1,2,4-Trimethylbenzene (<32%) by weight
- TSCA: All components are listed or exempt

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- California Prop 65: This product contains Cumene, a chemical known by the state of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

This information is based on our current knowledge and is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of RussTech's knowledge, or is obtained from sources believed by RussTech to be accurate. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. RussTech assumes no responsibility for injuries proximately caused by use of the Material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, RussTech assumes no responsibility for injuries caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the risk in its use of the Material.