



RussTech Inc.

“We Add The Difference”

MATERIAL SAFETY DATA SHEET

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Section I - PRODUCT IDENTITY: CITRISTRIP

CAS# 872-50-4

Common Name: N-Methyl pyrrolidone

Section II - HAZARDOUS INGREDIENTS:

Material:	CAS#	TLV	STEL	PEL	CONTENT
N-Methyl pyrrolidone	872-50-4	N/Av	N/Av	N/Av	99.5%

Section III - PHYSICAL CHARACTERISTICS:

N/Av = Not Available N/Av = Not Applicable ca. = Approximate

Boiling Point F° (°C): 399 (204)

Freezing Point F° (°C): -11 (-23)

VOC (w/w): N/Av

Solubility in Water: Miscible

Specific Gravity: 1.028

Appearance: Clear Liquid

Vapor Density (Air = 1): N/Av

Odor: Orange

Section IV - FIRE AND EXPLOSION HAZARD DATA:

HMIS Hazard Rating: 2 (Moderate)

Flash Point F° (°C): 195 (91)

Method: DIN 51758

Auto-Ignition Temperature F° (°C): 473 (245)

Method: DIN 51794

Limits of Flammability:

LEL: 1.3 UEL: 9.5

Special Fire & Unusual Hazards: Firefighters should use self-contained breathing apparatus and turn out gear.

Extinguishing Media: Use carbon dioxide or dry chemical. Water may be used to cool burning containers.

Section V - REACTIVITY DATA:

HMIS Hazard Rating: 0 (Minimal)

Stability:

Stable.

Incompatibility:

Oxidizing agents and strong acids

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products: (After water has evaporated.) Carbon dioxide, Carbon monoxide and nitrogen oxygen.

Section VI - HEALTH HAZARD DATA:

HMIS Hazard Rating: 2 (Moderate)

PRIMARY ROUTE OF ENTRY:

Dermal, Eyes, Inhalation, Ingestion

Effects of Overexposure

Inhalation: Inhalation of vapors may cause upper respiratory irritation.

Eyes: May cause moderate irritation with corneal clouding

Skin Contact: Prolonged or repeated skin contact tends to remove skin oils possibly leading to irritation and dermatitis.

Ingestion: Can cause gastrointestinal irritation with nausea and vomiting.

Chronic: In animal studies, NMP was embryotoxic by the oral, dermal and intraperitoneal routes, but only after repeated high doses that approached the LD50 (4990 mg/kg) or were maternally toxic.

Section VII - FIRST AID:

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. 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 thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion: Contact physician or call Poison Control Center immediately. Do **NOT** give anything by mouth to an unconscious person.

Section VIII - SPECIAL PROTECTION INFORMATION:

Ventilation: Local exhaust

Personal Protection Equipment: Use chemical goggles/safety glasses with side shields and butyl rubber gloves.

Section IX - ENVIRONMENTAL & DISPOSAL INFORMATION:

Action to Take for Spills/Leaks: Wear appropriate protective equipment. Take action to eliminate source of leak; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water.

Waste Disposal Method: Dispose in accordance with local, provincial, state and federal regulations

Section X - REGULATORY INFORMATION:

Title III Section 302: No reportable chemicals.

Title III Section 311/312: Health hazard: Acute

Title III Section 313: N-Methyl pyrrolidone 99.5%

TSCA: All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

State: California: This product contains one or more chemicals known to state of California to cause cancer, birth defects or other reproductive harm.

Section XI - TRANSPORTATION INFORMATION:

Shipping Name: NOT REGULATED in bulk containers holding less than 119 gallons

Emergency Response Guide Page No.: NOT REGULATED

DOT Reportable Quantity: NO REPORTABLE CHEMICALS

Marine Pollutant: NL

P = Moderate PP = Severe WS = Water Sheen NL = Not Listed ND = Not Determined

Section XIII - ADDITIONAL INFORMATION:

Average Shelf Life: 18 months

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