

Spill Notification for WRR Environmental Services Co., Inc.

EPA ID# WID990829475

FID# 618026530

Spill ID#

ID- Nonflammable Solvent - NMP

Per Condition 86 of WRR Environmental Services' current Feasibility and Plan of Operations Report (FPOR), WRR is making the following spill report to the Department's designated Hazardous Waste Inspector assigned to WRR, to the Department's designated Hazardous Waste plan review staff person assigned to WRR and to the Department's designated Spills Coordinator.

This notification, required by Condition 86 of the WRR FPOR and NR 706.05(1), contains the following information to the extent practicable or applicable:

1. Name, address, and telephone number of the person reporting the discharge.

Becky Anderson – Director of Compliance  
WRR Environmental Services Co., Inc.  
5200 Ryder Road  
Eau Claire WI 54701  
715-577-7755 (Cell)

2. Name, address, and telephone number of the discharger, or owner and operator of the UST system and any other potentially responsible persons.

WRR Environmental Services  
5200 Ryder Road  
Eau Claire WI 54701  
715-834-9624

3. Date, time, and duration of the discharge.

July 13, 2024 at 1:20 am. Time to clean up the release was 3.0 hours with 5 WRR personnel.

Location of the discharge including street address, county, town, city or village

WRR Environmental Services Co., Inc.  
5200 Ryder Road  
Eau Claire WI 54701

Town of Washington

Spill Notification for WRR Environmental Services Co – Nonflammable Solvent  
07132024

4. Identity, physical state, and quantity of the material discharged.

~300 gallons

5. Physical, chemical, hazardous, and toxicological characteristics of the substance.

The release was a nonflammable cleaning solvent called N-Methyl Pyrrolidone (NMP), CAS# 872-50-4. NMP is considered a hazardous substance. An SDS for this material is included in this report.

6. Cause of the discharge.

A piece of equipment called a thin film evaporator was being set up for a cleaning process using NMP. The cleaning process begins with pumping approximately 300 gallons of NMP into the thin film evaporator. At the end of pumping the NMP into the equipment and at the start of heating the thin film evaporator, a plug on the site glass became loose and fell out releasing all the NMP that had been added to the equipment on to the floor of the process building.

A schematic of a typical thin film evaporator is included in this report.

7. Immediate actions being taken and the name of the contractor or other person performing the action.

The shift supervisor shut off the steam to the equipment and the operator used area pumps to pump as much of the bulk liquid to a waste tank. Cloth absorbents were used to gather liquid in hard-to-reach areas and floor dry was used to gather the balance of the material.

Contaminated absorbents were gathered in open top 55-gallon metal drums and earmarked for offsite treatment.

All cleanup activities were conducted by WRR personnel.

8. Source, speed of movement, and destination or probable destination of the discharged hazardous substance.

The release was contained in EII process building; there are no drains in the building. No material drained to the onsite reservoir or grassy areas.

Included with this report is a facility map with the release location marked with a red arrow.

9. Actual or potential impacts to human health or the environment, including actual or potential impacts to drinking water supplies.

WRR personnel were wearing personal protective equipment during cleanup operations. No injuries were reported.

No drinking water supplies were impacted by the spill.

This waste contained to the building.

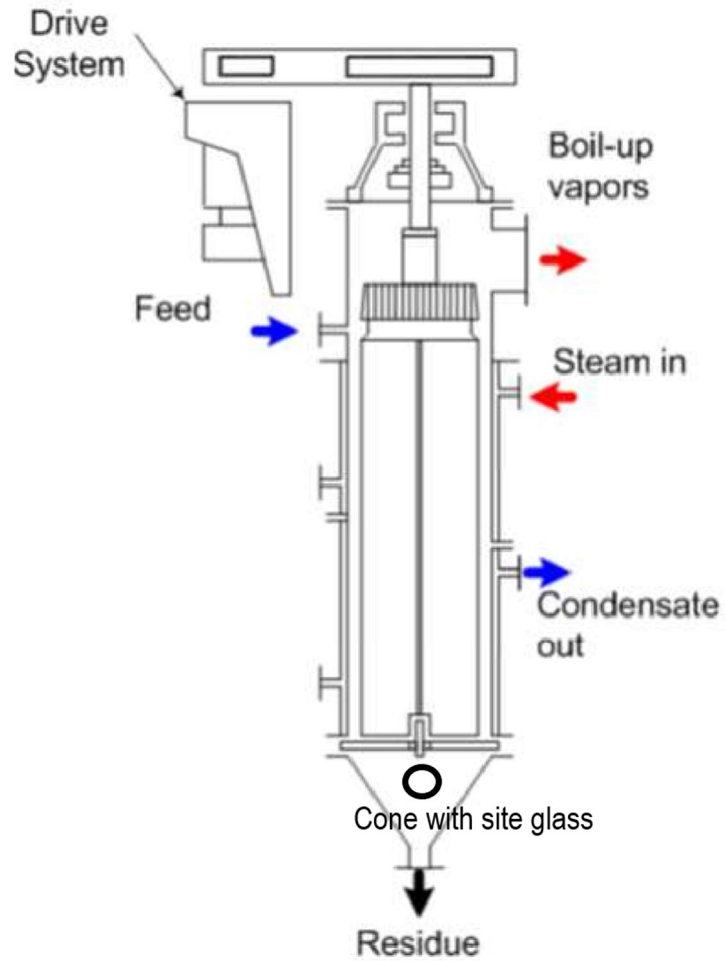
10. Weather conditions existing at the scene, including presence of precipitation and wind direction and velocity.

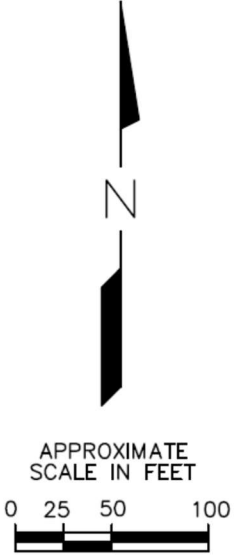
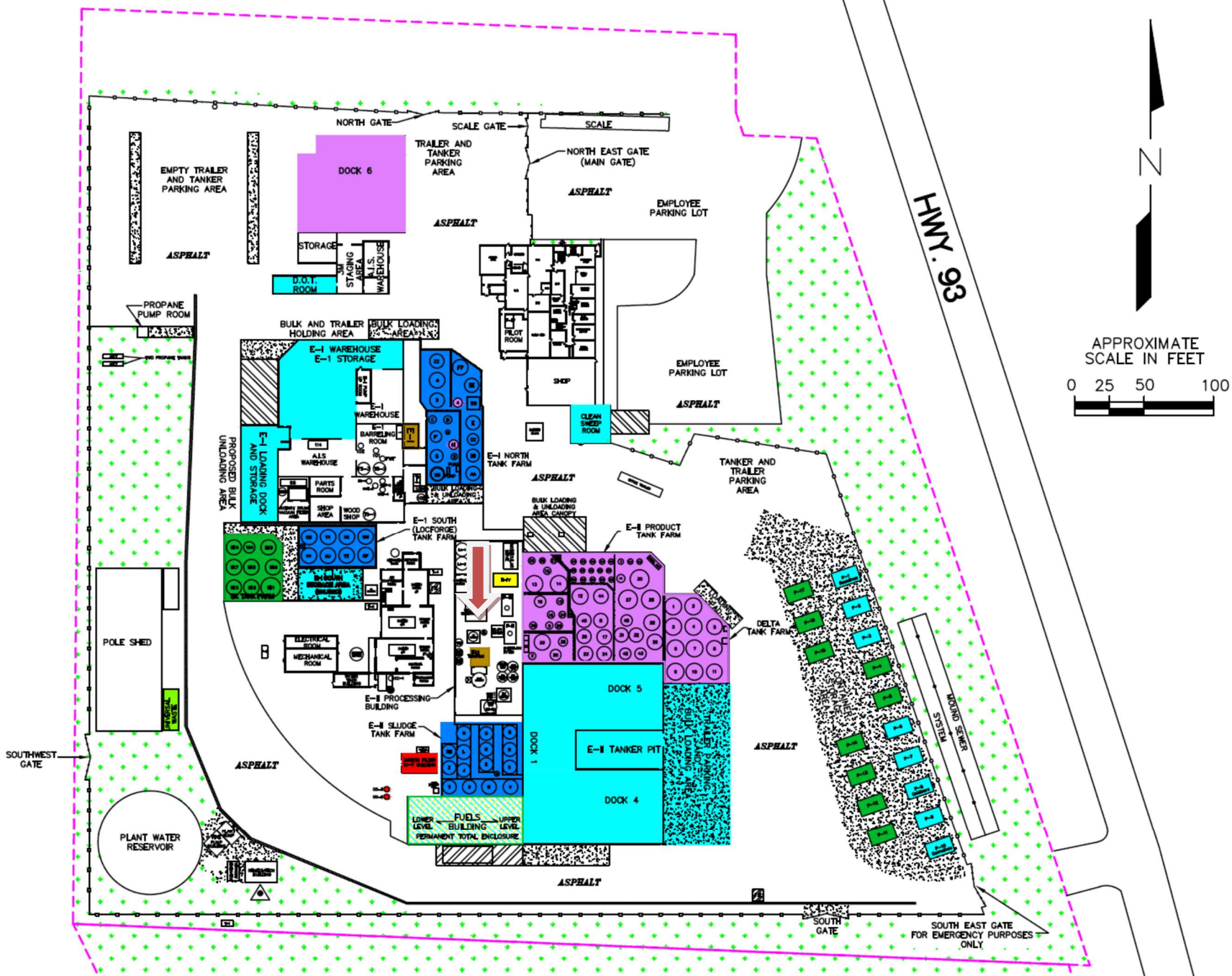
The release occurred inside a building – no wind and no precipitation.

11. Other agencies on–scene during the discharge incident.

No agencies were on-site during the discharge or clean-up.

## A Schematic of a Thin Film Evaporator





# SAFETY DATA SHEET

---

## SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

---

**Product ID :** NMPS525  
**Product Name :** N-METHYL-2-PYRROLIDONE  
**Revision Date :** May 19, 2015                      **Date Printed :** May 29, 2015  
**Version:** 1.0    **Supersedes Date :** N.A.  
**Manufacturer's Name :** WRR Environmental Services Co., Inc.  
**Address :** 5200 Ryder Road, Eau Claire, WI, US, 54701  
**Emergency Phone :** + (800) 424-9300  
**Information Phone :** +1 (715) 834-9624  
**Fax :**  
**Product/Recommended Uses:**

---

## SECTION 2) HAZARDS IDENTIFICATION

---

### Classification:

Specific Target Organ Toxicity -Single Exposure (Respiratory Tract Irritation) - Category 3  
Skin Irritation - Category 2  
Reproductive Toxicity - Category 1B  
Eye Irritation - Category 2  
Acute toxicity, Oral - Category 5

### Pictograms:



### Signal Word:

Danger

### Hazardous Statements - Health:

Maybe harmful if swallowed  
Causes serious eye irritation  
May damage fertility or the unborn child  
Causes skin irritation  
May cause respiratory irritation

### Precautionary Statements - General:

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.

### Precautionary Statements - Prevention:

Wash thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.  
Keep container tightly closed.

**Precautionary Statements - Response:**

Call a POISON CENTER/doctor if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
IF exposed or concerned: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of water.  
Specific treatment (see First-aid on this label).  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing. And wash it before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Precautionary Statements - Storage:**

Store in a well-ventilated place. Store locked up.

**Precautionary Statements - Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulation. Under RCRA it is the responsibility of the user of the products to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

---

**SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS**

---

CAS	Chemical Name	% by Weight
0000872-50-4	N-METHYL-2-PYRROLIDONE	75% - 100%

---

**SECTION 4) FIRST-AID MEASURES**

---

**Inhalation:**

Remove source of exposure or move person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you fell unwell.

**Eye Contact:**

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a flushing duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

**Skin Contact:**

Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for at least 15 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use.

**Ingestion:**

Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. Drink several glasses of water to dilute. Induce vomiting only if directed by medical personnel.

---

**SECTION 5) FIRE-FIGHTING MEASURES**

---

**Suitable Extinguishing Media:**

Water fog, carbon dioxide, dry chemical for small fires, AFFF-ATC (alcohol) foam for large fires is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

**Unsuitable Extinguishing Media:**

No data available.

**Specific Hazards in Case of Fire:**

Flammable vapors may travel along ground and spread fire or be ignited by sparks or other sources of ignition.

**Fire-Fighting Procedures:**

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

**Special Protective Actions:**

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

---

## SECTION 6) ACCIDENTAL RELEASE MEASURES

---

**Emergency Procedure:**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material.

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

**Recommended Equipment:**

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

**Personal Precautions:**

Avoid breathing mist/vapour. Avoid contact with skin, eye or clothing. Use explosive proof equipment. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

**Environmental Precautions:**

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

**Methods and Materials for Containment and Cleaning Up:**

Contain and recover liquid when possible.

Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust.

---

## SECTION 7) HANDLING AND STORAGE

---

**General:**

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

**Ventilation Requirements:**

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

**Storage Room Requirements:**

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.

Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Provide electrical grounding for containers and equipment when handling this product.

---

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**Eye Protection:**

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

**Skin Protection:**



Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

**Respiratory Protection:**

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed.

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed.

If the exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapor respirator may be worn for up to ten times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Appropriate Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mist below their respective threshold limit value.

None of the chemicals in Section 3 are regulated under "OSHA Carcinogen - OSHA Carcinogen", "OSHA tppm", "OSHA tmg", "OSHA sppm", "OSHA smg", "ACGIH tppm", "ACGIH sppm", "ACGIH smg", "niosh tppm", "niosh tmg", "niosh sppm", "niosh smg", "ACGIH\_carcinogen", "NIOSH\_carcinogen", "ACGIH\_TLV\_Basis", "ACGIH\_Notations", "OSHA\_SkinDesignation", "CAN\_ALtmg", "OSHA-Tables-Z1,2,3"

---

**SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES**

---

**Physical and Chemical Properties**

Density	8.62 lb/gal
% Solids By Weight	0.00%
Density VOC	8.62 lb/gal
% VOC	100.00%
Specific Gravity	1.03
Appearance	Colorless to slight tint
Odor Threshold	N/A
Odor Description	Amine odor
pH	N/A
Flammability	Flash Point at or above 200 °F
Water Solubility (% by wt. @ 20°C)	Miscible in water
Flash Point Symbol	>
Flash Point	91 °C
Viscosity	N/A
Lower Explosion Level (% by volume)	1.3
Upper Explosion Level (% by volume)	9.5
Vapor Pressure @ 20°C (mmHg)	0.5 mmHg
Vapor Density	3.4
Freezing Point	N/A
Melting Point	N/A
Low Boiling Point	396 °F
High Boiling Point	N/A
Auto Ignition Temp	N/A
Evaporation Rate (Butyl acetate = 1)	0.06
Coefficient Water/Oil	N/A

---

**SECTION 10) STABILITY AND REACTIVITY**

---

**Stability:**

Material is stable at standard temperature and pressure.

**Conditions to Avoid:**

Avoid contact with sparks, fire, direct sunlight, hot glowing surfaces, welding arcs, high temperature sources and incompatibles.

**Hazardous Reactions/Polymerization:**

Will not occur

**Incompatible Materials:**

Strong Oxidizers and Acids. Reacts with chlorinating agents to form the amide. Reacts with sulfur or carbon disulfide at high temperatures and pressures.

**Hazardous Decomposition Products:**

Thermal decomposition may product carbon monoxide, carbon dioxide and nitrogen oxides.

---

**SECTION 11) TOXICOLOGICAL INFORMATION**

---

**Acute Toxicity:**

Ingestion : Can cause nausea, vomiting, diarrhea.

Inhalation : Mild irritant if vapor or mist from heated solvent is inhaled. Coughing, possible breathing difficulties may be observed.

Maybe harmful if swallowed

**Aspiration Hazard:**

No Data Available

**Carcinogenicity:**

No Data Available

**Germ Cell Mutagenicity:**

No Data Available

**Reproductive Toxicity:**

May damage fertility or the unborn child

**Respiratory/Skin Sensitization:**

No Data Available

**Serious Eye Damage/Irritation:**

May possibly cause corneal clouding.

Causes serious eye irritation

**Skin Corrosion/Irritation:**

Prolonged or repeated contact can cause moderate irritation, defeating, dermatitis.

Causes skin irritation

**Specific Target Organ Toxicity - Repeated Exposure:**

No Data Available

**Specific Target Organ Toxicity - Single Exposure:**

Can cause dizziness and drowsiness.

May cause respiratory irritation

**Potential Health Effects - Miscellaneous**

0000872-50-4 N-METHYL-2-PYRROLIDONE

The following medical conditions may be aggravated by exposure: skin disorders. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in laboratory animals have shown effects on any of the following organs/systems: kidneys, liver. WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

---

**SECTION 12) ECOLOGICAL INFORMATION**

---

**Persistence and Degradability:**

No data available.

**Bio-Accumulative Potential:**

No data available.

**Mobility in soil:**

No data available.

**Toxicity:**

No Data Available

**Other Adverse Effect:**

No data available.

---

**SECTION 13) DISPOSAL CONSIDERATIONS**

---

**Waste Disposal:**

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

WRR can provide reclamation or disposal service. Contact WRR for information.

---

**SECTION 14) TRANSPORT INFORMATION**

---

**U.S. DOT Information:**

Proper shipping name : COMBUSTIBLE LIQUID N.O.S. (N-METHYL-2-PYRROLIDONE)

UN Number : NA1993

Hazard Class : N/A

Packing group : III

**IMDG Information:**

Proper shipping name : COMBUSTIBLE LIQUID N.O.S. (N-METHYL-2-PYRROLIDONE)

UN Number : NA1993

Hazard Class : N/A

Packing group : III

Marine Pollutant : No data available

**IATA Information:**

Proper shipping name : COMBUSTIBLE LIQUID N.O.S. (N-METHYL-2-PYRROLIDONE)

UN Number : NA1993

Hazard Class : N/A

Packing group : III

---

**SECTION 15) REGULATORY INFORMATION**

---

CAS	Chemical Name	% By Weight	Regulation List
0000872-50-4	N-METHYL-2-PYRROLIDONE	75% - 100%	SARA312,SARA313,VOC,TSCA,REACH_SVHC - REACH_Substances of Very High Concern,REACH_SVHC_ToxicForReproduction - REACH_Substances of Very High Concern_Toxic for Reproduction,CA_Prop65 - California Proposition 65,CA_Prop65_Type_Toxicity_Develop - CA_Proposition65_Type_Toxicity_Developmental

---

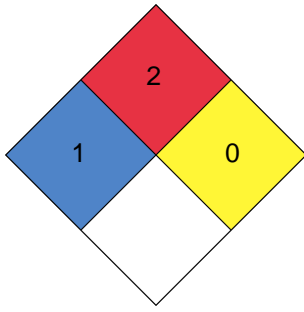
**SECTION 16) OTHER INFORMATION**

---

**Glossary:**

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ - Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA - Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

## HMIS



Chronic :



---

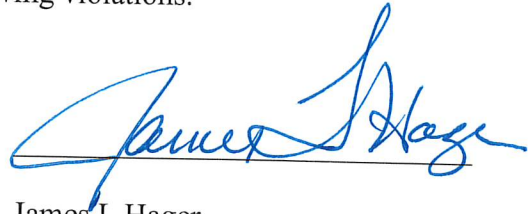
## DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

WRR Environmental Services Co Inc.  
5200 Ryder Road  
Eau Claire WI 54701  
FID ID# 618026530  
EPA ID# WID990829475

Condition 86 – DNR Spill Hotline Report

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



James L Hager  
President/CEO

7/29/2024

Date