Safety Data Sheet

Section 1 Identification

Product Identifier: **UESI - 100**
Company Identification: Tri-chem Industries
Address: 2600 North Cresson Highway
Cresson, Texas 76035
Phone Number: 972-745-6875
For chemical emergencies, call Ute Energy day or night. Mark Peterson 1-435-828-5698

Section 2 Hazard(s) Identification

Classification:

Flammable	Category 2
Acute Toxicity (Oral, Dermal, Inhalation)	Category 3
Corrosive to Metals	Category 1
Skin Corrosion/Irritation	Category 3
Serious Eye Damage/Irritation	Category 2B
STOT (Single Exposure)	Category 1

Signal Word: **Danger**
Hazard Statements: Flammable liquid and vapor. Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes damage to organs. May be corrosive to metals. Causes eye irritation.

Precautionary Statements: Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately seek medical attention/advice. If on skin: Immediately remove contaminated clothing and equipment. Wash with plenty of water and soap. Seek medical attention/advice if irritation persists. Thoroughly rinse clothing and equipment prior to reuse. If swallowed: Thoroughly rinse mouth with water. Do not induce vomiting unless under the medical supervision. Immediately seek medical attention/advice. If Inhaled: Remove individual to fresh air and keep comfortable for breathing. Immediately seek medical attention/advice.

Store locked up. Store in cool, dry area away from direct sunlight. Keep only in original container or corrosive resistant container with resistant inner liner. Dispose of contents/container in accordance with local/state/federal regulations.

Other Hazards: None
Label Pictograms:

Section 3 Composition/Ingredient Information

Contains Hazardous or Regulated Components

Chemical Name	Percentage	CAS Number
Water	QS	7732-18-5
Diethylenetriaminepenta (methylenephosphonic) acid	20 – 40%	15827-60-8
Methanol	10 – 30%	67-56-1
Sodium Hydroxide	1 – 10%	1310-73-2

**Some items on this SDS may be designated as proprietary and/or trade secrets (TS). The exact % concentration of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA HCS 1910.1200.*

Section 4 First-Aid Measure

General: Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wash contaminated clothing/equipment before reuse.
Eyes Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately seek medical attention/advice.
Skin: Immediately remove contaminated clothing and equipment. Wash with plenty of water and soap. Seek medical attention/advice if irritation persists.
Ingestion: Rinse mouth with water and drink plenty of water or milk. Do not induce vomiting. Immediately seek medical attention/advice.
Inhalation: : Remove individual to fresh air and keep comfortable for breathing. Immediately seek medical attention/advice
Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than the product may have occurred.

Section 5 Firefighting Measure

Flash Point: Not Available
Autoignition Temperature: Not Available
Hazardous Combustion Products: Carbon Monoxide. Carbon Dioxide. Nitrogen Oxides. Phosphorus Oxides.
Unusual Fire & Explosion Hazards: Product contains methanol, a highly flammable substance. Vapors may form explosive hazards with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.
Extinguishing Media: Dry chemical. Alcohol resistant, non-PFAS foam. Water spray (fog). DO NOT USE WATER JET AS THIS MAY SPREAD FIRE.

Special Firefighting Procedures: Wear positive pressure self-contained breathing apparatus. Wear protective clothing that is specifically recommended for chemical fires: structural firefighting protective clothing provides limited protection and may not be effective in situations with direct contact with the chemical is possible. Keep unauthorized personnel away. Evacuate residents downwind of fire.

See Section 9 for physical and chemical properties of product.

Section 6 Accidental Release Measure

General: Evacuate unnecessary and untrained personnel. Ventilate enclosed areas. Use spark-proof tools and explosion-proof equipment. Keep upwind and uphill of spilled material if possible. Wear appropriate protective clothing/equipment (see **Section 8**).
Containment of Spill: Exercise caution during containment. Material can result in slick conditions. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Keep away from other materials. Prevent large quantities from entering environment/waterways.
Cleanup and Disposal of Spill: Exercise caution during cleanup and disposal. Contain spill and pick up with absorbent material. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water. Make sure area is slip-free before re-opening to through traffic.
Environmental and Regulatory Reporting: Prevent entry of material into sewers and public waters of undiluted product. Avoid release into the environment.
See Section 8 for exposure controls and personal protection. See Section 13 for disposal consideration.

Section 7 Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety procedure. Wear recommended personal protective equipment. Wash hands and other exposed areas before eating, drinking, smoking of leaving work areas. Use spark-proof tools and explosion-proof equipment. Avoid breathing vapors, mists, and/or sprays. Avoid contact with eyes, skin, and clothing. Wash contaminated clothing/equipment before reuse.

Storage: Store in tightly closed labeled containers in cool, dry area away from direct sunlight. Keep from freezing. Store product in original container or appropriate end use container. Do not store with incompatible materials (see **Section 10**).

Section 8 Exposure Controls/Personal Protection

Engineering Controls: The following traditional exposure techniques may be used to effectively minimize employee exposure.

Eye Protection: Wear face shield, safety goggles, or full-face respirator. An emergency eye wash must be readily accessible to the work area. Ensure safety shower is available near all areas of bulk storage, delivery, and use.
Skin Protection: Skin contact should be minimized through use of chemical resistant clothing and gloves. Protective clothing should be durable and permeant resistant.

Respiratory Protection: None required under normal usage. If irritation is experienced, approved respiratory protection should be work in case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known.

Engineering Measure: Showers, Eyewash Station, Ventilation

Work Practice Controls: Personal hygiene is an important exposure control measure. The following general measures should be taken when working with or handling this material.

Hygiene: Wash hands and face thoroughly before eating, drinking, using tobacco products, applying cosmetics, or using the toilet. Do not store or consume foods, beverages, or tobacco products in areas where this material is stored.
Exposure Contact: Wash exposed skin promptly to remove accidental splashes or contact with this material.

Section 9 Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State:	Viscous Liquid
Appearance:	Light Yellow to Dark Amber
Odor:	Characteristic

Other Properties

Freezing Point:	Not Available
Boiling Point:	Not Available
Flash Point:	Not Available
Evaporation Rate:	Not Available
Flammability:	Not Available
Specific Gravity:	1.05 – 1.09
pH:	1 - 3
Autoignition Temperature:	Not Available
Viscosity:	Not Available
Solubility:	Not Available

Section 10 Stability and Reactivity

Stable under normal conditions.
Conditions to Avoid: Avoid high temperatures, direct sunlight, and incompatible materials. Do not allow to freeze. Keep away from heat/ignition sources. May be corrosive to metals.
Hazardous Polymerization: Not Available
Incompatibility with Other Materials: Oxidizers. Reducers. Bases. Metals. Powders such as acid chlorides, acid anhydrides, powdered magnesium, and aluminum.
Hazardous Decomposition: Carbon Monoxide. Carbon Dioxide. Nitrogen Oxides. Phosphorus Oxides.

Section 11 Toxicological Information

Information on Potential Routes of Exposure:

Eyes: Avoid contact with eyes. Contact may cause severe eye irritation, conjunctivitis, burns, and corneal necrosis.
Skin: Avoid contact with skin. Contact may cause irritation and burns.
Inhalation: Avoid inhalation. May cause irritation, pain, inflammation of upper respiratory tract and mucous membranes, coughing, sneezing, and choking.
Ingestion: Do not ingest. Gastrointestinal symptoms, such as upset stomach, vomiting, and diarrhea, may occur.

Methanol (CAS 67-56-1)

Dermal		
LD 50	Rabbit	15800 mg/kg
Oral		
LD 50	Rat	5628 mg/kg
Inhalation		
LC 50	Rat	1307 mg/L

Sodium Hydroxide (CAS 1310-73-2)

Oral		
LD 50	Rat	>100 mg/kg
Dermal		
LD 50	Rabbit	1350 mg/kg

Target Organ Effects: Product contains raw materials that are classified as causing damage to organs: eyes, skin, optic nerve gastrointestinal tract, central nervous system, respiratory system, liver, spleen, kidney, blood
Mutagenicity: Product contains raw materials that have shown mutagenic effects
Reproduction: Product contains raw materials that are classified as causing generalized toxicity and/or developmental effects
Chronic Toxicity: Not Available

Section 12 Ecological Information

General: This product is not classified as environmentally hazardous. Precaution should be taken against entrance of large amounts of undiluted product into waterways, sewers, and the environment
Ecotoxicity:

Methanol (CAS 67-56-1)

LC 50	**Fish**	**28200 mg/L (96 hrs)**

Sodium Hydroxide (CAS 1310-73-2)

LC 50	**Fish**	**10610 mg/L (96 hrs)**
LC 50	**Water Flea**	**4571 mg/L (48 hrs)**
LC 50	**Algae**	**>1000 mg/L (48 hrs)**

Persistence/Degradability: Not Available
Bioaccumulative Potential: Not Available

Section 13 Disposal Consideration

Waste Disposal Recommendations: Dispose of contents/waste water in accordance with local, state, federal, and international regulations. Contents/waste water should not be disposed of into municipal waterways/sewers unless fully compliant with local authority.

Container Disposal Method: Dispose of containers in accordance with local, state, federal, and international regulations.

Section 14 Transport Information

The shipping description(s) herein were prepared in accordance with regulations at the time this SDS was authored and can vary based on date of issuance.

Department of Transportation (DOT): UN 1230, METHANOL, Class 3 (6.1), PG II
International Maritime Dangerous Goods (IMDG): UN 1230, METHANOL, Class 3 (6.1), PG II
International Air Transportation Association (IATA): UN 1230, METHANOL, Class 3 (6.1), PG II

Section 15 Regulatory Information

Federal Regulatory Status:

Reportable Quantities under CERCLA and EPCRA, 40 CFR 302 and 355:
Methanol (CAS 67-56-1) 5000 lbs
Sodium Hydroxide (CAS 1310-73-2) 1000 lbs
Clean Water Act Reporting 40 CFR 117 Section 311: **Methanol (CAS 67-56-1)**
Clean Air Act Reporting: This product does not contain component(s) under this section.
Toxic Substance Control Act, 40 CFR 710: **Methanol (CAS 67-56-1)**
Sodium Hydroxide (CAS 1310-73-2)
Drug Enforcement Agency (DEA): This product does not contain component(s) under this section.
SARA 313: **Methanol (CAS 67-56-1)**

State Regulations:

California (Prop 65): This product does not contain components that are regulated under California Proposition 65.

International Regulations:

Canadian Regulations:
Workplace Hazard Materials Information System (WHMIS):
Methanol (CAS 67-56-1)
Sodium Hydroxide (CAS 1310-73-2)

Individual Components of this product may be listed on the following inventories:

Australian Inventory of Chemical Substances (AICS)
Canada Domestic Substances List (DSL)
Canadian Ingredient Disclosure List (IDL)

Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)
European Inventory of Existing Chemical Substances (EINECS)
European No Longer Polymers Inventory (NLP)
Japanese Existing National Inventory of Chemical Substances (ENCS)
Japanese Industrial Safety and Health Law (ISHL)
Japanese Pollutant Release and Transfer Register Law (PRTR)
Korean Existing Chemicals List (ECL)
New Zealand Inventory of Chemicals (NZIoC)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)
United States Toxic Substances Control Act (TSCA)
Mexican National Inventory of Chemical Substances (INSQ)
Taiwan Chemical Substance Inventory (TCSI)

Section 16 Other Information

Prepared By Tri-chem Industries
2600 North Cresson Highway
Cresson, Texas 76035

Revision Date **14 February 2025**

Disclaimer: The information provided by Tri-Chem Industries on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.