

SECTION 1. IDENTIFICATION

Product Identifier	Prairiemul 4000
Other Identification	Imidazoline in aromatic solvent
Product Family	Alkylamidoamine/Imidazoline
Recommended Use	Industrial Use Only.
Restrictions on Use	None known.
Manufacturer/Supplier Identifier	Prairie Mud Service, 738 - 6th Street, Estevan, SK, S4A 1A4, info@praiiemud.ca, (306) 634-3411, www.prairiemud.ca
Emergency Phone No.	CANUTEC, 613-996-6666 or *666 (Cell)

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable liquid - Category 4; Acute toxicity (Oral) - Category 4; Acute toxicity (Dermal) - Category 4; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2A

Label Elements



Warning!

Hazard Statement(s):

- Harmful if swallowed.
- Harmful in contact with skin.
- Causes serious eye irritation.
- Harmful if inhaled.

Prevention:

Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing. Wear eye protection/face protection.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Imidazoline	61790-69-0	40-70	
Diesel oil	68334-30-5	30-50	
Aromatic solvent	64742-94-5	7-15	
Naphtha (petroleum), heavy catalytic reformed	64741-68-0	7-15	
Naphthalene	91-20-3	< 1	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. If not breathing, give artificial respiration. Give oxygen if needed. Get medical attention if required.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. If skin irritation occurs, get medical advice or attention.

Eye Contact

Flush eyes with water for at least 15 minutes. Contact a physician immediately.

Ingestion

Rinse mouth with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. If exposed or concerned, get medical advice or attention.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Special Protective Equipment and Precautions for Fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Eliminate all sources of ignition and evacuate area. Stop or reduce leak only if safe to do so. Ensure adequate ventilation. Do not walk through spilled material. Wear appropriate Personal Protective Equipment.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Large spills or leaks: dike spilled product to prevent runoff. Do not use absorbents. Contain spill using noncombustible material such as vermiculite, earth or sand. Place used absorbent into suitable, covered, labelled containers for disposal. After spilled product has been cleaned up, flush the area thoroughly with water. Wipe up with absorbent material (cloth, fleece). Clean contaminated area thoroughly. Small spills or leaks: wipe up with absorbent material (cloth, fleece). Clean contaminated area thoroughly.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do NOT eat, drink or store food in work areas. Do NOT smoke in work areas. Do not weld, cut or perform hot work on empty container until all traces of product have been removed. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Empty drums should be completely drained, tightly closed, and properly disposed of. Avoid generating vapours or mists. Wear personal protective equipment to avoid direct contact with this chemical.

Conditions for Safe Storage

Store in an area that is: cool, well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity). Store in a closed container. Empty containers may contain hazardous residue. Store separately. Keep closed. Follow all precautions given on this safety data sheet. Comply with all applicable health and safety regulations, fire and building codes.



SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Provide eyewash and safety shower if contact or splash hazard exists. Use adequate ventilation to keep airborne concentrations low.

Use mechanical handling to reduce human contact with the material.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots. Wear fire resistant or flame retardant clothing. Wear appropriate foot protection when handling cylinders.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and safe working limits of the selected respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Dark liquid.
Odour	Aromatic
Flash Point	> 61 °C (142 °F)
Relative Density (water = 1)	0.906
Solubility	Insoluble in water
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

High temperatures. Open flames, sparks, static discharge, heat and other ignition sources.

Incompatible Materials

Strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Imidazoline	ND	ND	ND
Diesel oil	ND	ND	ND
Aromatic solvent	> 580 ppm (4-hour exposure)	13.1 mg/kg (rat)	> 5.0 mg/kg (rabbit)
Naphthalene	ND	490 mg/kg (rat)	> 2500 ppm (rat)

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Skin Corrosion/Irritation

May cause moderate or severe irritation based on information for closely related materials. Repeated or prolonged exposure can irritate or burn the skin.

Serious Eye Damage/Irritation

Eye contact may cause severe irritation, possible damage.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

If inhaled: high vapour/mist concentration exposure may cause respiratory tract irritation, nausea, headaches, dizziness, and other CNS effects. If swallowed: may cause irritation of the gastrointestinal tract. If swallowed, aspiration into lungs may result in chemical pneumonitis and sever pulmonary injury.

Carcinogenicity

OSHA has listed naphthalene as a carcinogen.

Other Information

Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product.

SECTION 12. ECOLOGICAL INFORMATION

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water. Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1993	Petroleum Distallates NOS (Contains Diesel Oil)	3	III
US DOT	1993	Petroleum Distallates NOS (Contains Diesel Oil)	3	III

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Emergency Response 128/171
Guide No.



SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

USA

Toxic Substances Control Act (TSCA) Section 8(b)

Listed on the TSCA Inventory.

Additional USA Regulatory Lists

SARA Section 313: Napthalene <1% CAS# 91-20-3

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 1** **Instability - 0**

SDS Prepared By Prairie Mud Service

Phone No. (306) 634-3411

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