



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: Fuel-Line

SUPPLIER DETAILS: Meristem 489 Village Park Dr, Powell, OH 43065

EMERGENCY NUMBERS: Product Information: 800-787-3724

**FOR A CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT,
CALL CHEMTREC – DAY OR NIGHT 1-800-424-9300**

2. HAZARDS IDENTIFICATION

CLASSIFICATION (ACCORDING TO 29 CFR 1910.1200): Not classified

GHS LABEL ELEMENTS: None

PRECAUTIONARY STATEMENTS:

P101 + P102 + P103 – If medical advice is needed, have product container or label available. Keep out of reach of children. Read label before use.

P280 – Wear protective gloves and eye/face protection.

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P302 + P352 – If on skin: Wash with plenty of water for 15 to 20 minutes.

P305 + P351 + P338 – If in eyes: Rinse with water for 15 to 20 minutes. Remove contact lenses, if present, and continue rinsing eyes.

P337 + P313 – If eye irritation persists, get medical attention.

P273 – Avoid release to the environment.

OTHER HAZARDS: None known

3. COMPOSITION, INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	CONCENTRATION [%]
Tetraammonium Ethylenediaminetetraacetate	22473-78-5	0.5 - <1.5%*
Other components below reportable levels		>98.5 - 99.5%

*Designated that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE AND DELAYED: Eye irritation

IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT: Call a poison control center or doctor for treatment advice. Treat symptomatically; symptoms may be delayed.

If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

If in contact with skin, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If ingested, have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth (if possible).

NOTE TO PHYSICIAN: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use medium appropriate to surrounding fire: dry chemical, carbon dioxide (CO₂), foam, water spray, or fog. Do not use water jet, as this will spread the fire.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: May include (but are not limited to) oxides of carbon, oxides of sulfur, ammonia, and oxides of nitrogen.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire-exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: Avoid contact with eyes and inhalation of vapors, dusts and spray mist. Ensure adequate ventilation. Wear suitable protective clothing.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Do not contaminate water. Do not allow to enter drains, sewers, or watercourses.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand, or earth and place into containers. After removal, flush the contaminated area thoroughly with water.

Small Spills: Wipe up with absorbent material (e.g. cloth or fleece). Clean surface thoroughly to remove residual contamination.

NOTE: Never return spills to original containers for re-use.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use with adequate ventilation. Avoid inhalation of dusts, vapors, and sprays. Wear personal protective equipment (eye protection and gloves) to avoid contact with eyes, skin, and clothing. Open the container carefully; contents may be under pressure. Avoid prolonged exposure. Wash hands thoroughly after handling this product and before eating, drinking, and/or smoking.

CONDITIONS FOR SAFE STORAGE: Store product in dark fiberglass or plastic containers out of direct sunlight or UV light. PROTECT FROM FREEZING. Keep containers tightly closed when not in use. Store in a cool, dry, well-ventilated area, preferably in a locked storage area away from children, feed and food products, and seed. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

U.S. Workplace Exposure Level (OSHA) PELs: No listed components

BIOLOGICAL LIMIT VALUES

ACGIH Biological Exposure Indices: No listings

APPROPRIATE ENGINEERING CONTROLS: Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk if inhalation of vapors and spray mists. Provide eyewash station and safety shower.

INDIVIDUAL PROTECTION MEASURES:

Eye/Face Protection: Wear goggles or shielded safety glasses.

Skin Protection: Wear long-sleeved shirt, long pants, hat, rubber boots with socks, and rubber or chemical-resistant gloves.

Respiratory Protection: Not normally required. In case of inadequate ventilation or risk of inhalation of dusts or vapors, use suitable respiratory equipment such as MSHA/NIOSH TC-21C or NIOSH-approved respirator with N, R, P, or HE filter. Wear respiratory protection during operations where spraying or misting occurs. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection Standard.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid

COLOR: Light yellow or amber

ODOR: Slight ammonia

pH: 6.5 - 7.9

MELTING POINT/FREEZING POINT: No data available

BOILING POINT: No data available

FLASH POINT: >212°F / 100°C

FLAMMABILITY (solid, gas): No data available

UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: No data available

VAPOR PRESSURE: No data available

SOLUBILITY: Soluble

PARTITION CO-EFFICIENT, n-OCTANOL/WATER: No data available

AUTO-IGNITION TEMPERATURE: No data available

DECOMPOSITION TEMPERATURE: No data available

VISCOSITY, dynamic: No data available

SPECIFIC GRAVITY (Water = 1): 1.15 g/ml

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

REACTIVITY: Stable

CHEMICAL STABILITY: Stable under normal conditions

POSSIBILITY OF HAZARDOUS REACTIONS: No reactions known under normal use conditions

CONDITIONS TO AVOID: Excessive heat, contact with incompatible materials

HAZARDOUS DECOMPOSITION PRODUCTS: May include (but are not limited to) oxides of carbon, oxides of sulfur, ammonia, and oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE: Eye contact, skin contact

LC₅₀ (Rat): No data available

LD₅₀ Oral (Rat): No data available

LD₅₀ Dermal (Rat): No data available

Acute Toxicity Estimates: No data available

Skin Irritation (Rabbit): No data available

Eye Irritation (Rabbit): No data available

Specific Target Organ Toxicity: Single exposure: No data available

Aspiration: No data available

Skin Sensitization (Guinea Pig): Not a sensitizer

Carcinogenicity: No data available

Germ Cell Mutagenicity: No data available

Interactive Effects: None known

12. ECOLOGICAL INFORMATION

ECOTOXICITY: This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. This product is not intended for use in aquatic settings. Drift or runoff may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water. Do not apply when weather conditions favor drift from target area.

PERSISTENCE AND DEGRADABILITY: No data available

BIOACCUMULATIVE POTENTIAL: No data available

MOBILITY IN SOIL: No data available

OTHER ADVERSE EFFECTS: No data available

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Triple rinse (or equivalent), adding rinsate to spray tank. Offer container for recycling, or puncture and dispose of it in a sanitary landfill, or dispose of by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option for container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler, visit the ACRC web page at <http://www.acrecycle.org/>. Do not contaminate food feed, or water sources by runoff from cleaning of equipment, disposal of equipment wash waters, or spray waste.

14. TRANSPORT INFORMATION

DOT SHIPPING DESCRIPTION: NOT REGULATED

U.S. SURFACE FREIGHT CLASSIFICATION: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI, LIQUID (NMFC 68140, SUB6; CLASS 70)

15. REGULATORY INFORMATION

US Federal Regulation

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Chemical

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Water Act (CWA)

Priority Pollutant

Section 112(r) (40 CFR 68.130)

Toxic pollutant

Safe Drinking Water Act (SDWA)

Not regulated

US state regulations California Proposition 65

WARNING: This product can expose you to chemicals including arsenic, cadmium, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. OTHER INFORMATION

SDS version: 1.08.18.22 (First Edition)

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