

ETECH Automotive Chemicals, Inc.
PO Box 358
Hellertown, PA 18055

Material Safety Data Sheet
Issue date: 7/15/08
Product Name: ET104 Transmission System
Flush

SECTION I – EMERGENCY CONTACT:
INFOTRAC 1-800-535-5053

SECTION II –HAZARDOUS INGREDIENTS:

Component	CAS #	TLV/PEL (ppm)	% (in prod.)
Petroleum Distillate	8008-20-6	100	50-55
Mineral oil	64742-65-0	5 (mist)	25-30
2-butoxyethanol	112-34-5	25	15-20
Zinc dialkyl dithiophosphate	68649-42-3	NA	<0.5

SECTION III – HEALTH HAZARD:

Acute Effects of Overexposure:

Skin: Can be irritating and cause dermatitis upon prolonged exposure.

Eyes: Can be irritating upon contact. Can cause redness, tears and blurred vision.

Inhale: Over-exposure may cause headache, dizziness, nausea, unconsciousness

Ingest: may irritate stomach and intestines. If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs which can produce chemical pneumonitis, pulmonary edema/hemorrhage and even death

Existing skin diseases may be aggravated by overexposure.

Chronic Effects of Overexposure:

May be toxic to kidneys lungs, and blood. Repeated or prolonged exposure can produce target organ damage, defatting of skin and skin irritation.

HMIS Codes: Health 2; Flam. 2; React. 1; Pers. Protection B; Chronic Haz. No

Carcinogenic effects: None of the ingredients are listed as carcinogens by IARC, NTP, or OSHA

SECTION IV – FIRST AID MEASURES

First aid procedures:

Skin: Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Get medical attention if irritation develops.

Eyes: Check for and remove contact lens. Immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhale: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention.

Ingest: Aspiration hazard if swallowed- can enter lungs and cause damage. If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. If individual is alert, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention at once.

SECTION V – FIRE AND EXPLOSION DATA:

Flash Point (F) 122

Flammable Limits: LEL: 1% UEL 7%

Fire Fighting Procedure: In case of fire use water spray, dry chemical, or CO₂. Cool closed containers exposed to fire with water... Firefighters should wear proper protective equipment.

Fire Hazard: Vapors heavier than air and may travel along ground and ignite pilot light or other flame sources.

SECTION VI – ACCIDENTAL RELEASE MEASURES:

Spill Clean Up: Wear appropriate protective equipment. Absorb with an inert material and put spilled material in appropriate waste disposal.

SECTION VII – HANDLING AND STORAGE PROCEDURES:

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing spray mists. Keep container closed... Wash thoroughly after handling.

Storage: Keep container in cool well ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep away from heat and open flame. Keep out of the reach of children.

SECTION VIII EXPOSURE CONTROLS, PERSONAL PROTECTION:

Eye Protection: Tight fitting safety goggles are recommended if splashing may occur.

Protective Clothing: Waterproof protective gloves

Respiratory: Use with adequate ventilation.

SECTION IX – PHYSICAL AND CHEMICAL DATA:

Boiling Point (F) 340 Specific Gravity: 0.8 - 0.82 pH: NA

VOC content (%) 95 Evaporation Rate (Bu acetate=1) NA

vap. Pressure (mm Hg) NA

Vap. Density NA Solubility in Water: insoluble

Appearance and Odor: clear colorless liquid with petroleum odor

SECTION X – REACTIVITY DATA:

Stability: Stable

Incompatibility: strong oxidizing agents

Polymerization: Will not occur

Hazardous Decomposition: carbon monoxide, carbon dioxide, some metallic oxides

SECTION XI TOXOLOGICAL INFORMATION

Toxicity to animals

2-butoxy ethanol

Oral (LD50) acute: 1746 mg/kg Rat

Dermal (LD50) acute: 680 mg/kg Rabbit

Vapor (LC50) acute 450 ppm 4 hours Rat female

SECTION XII

Ecological Information - not available

Biodegradable/OECD – not available

SECTION XIII DISPOSAL CONSIDERATIONS

Waste Disposal Method: Liquid wastes are not permitted in landfill. Consult local, state, and federal agencies for proper disposal in your area.

Classification: hazardous waste, (RCRA waste)

SECTION XIV TRANSPORT INFORMATION

Proper shipping name NA

DOT classification not a DOT controlled material

UN number NA

SECTION XV REGULATORY INFORMATION

SARA 313 toxic chemical notification and release reporting - regulated substance:

2-butoxy ethanol, zinc dialkyl dithiophosphate (0.5%)

Clean Water Act (CWA) regulated substance NA

Clean Air Act (CAA) 112 regulated toxic substances 2-butoxy ethanol

SECTION XVI OTHER INFORMATION

To the best of our knowledge 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.

ETECH Automotive Chemicals, Inc.
PO Box 358
Hellertown, PA 18055

Material Safety Data Sheet
Issue date: 7/15/08
Product Name: ET105 Transmission System
Conditioner

SECTION I – EMERGENCY CONTACT:
INFOTRAC 1-800-535-5053

SECTION II –HAZARDOUS INGREDIENTS:

Component	CAS #	TLV/PEL (ppm)	% (in prod.)
Mineral oil	64742-65-0	5 (mist)	<90

SECTION III – HEALTH HAZARD:

Acute Effects of Overexposure:

Skin: Can be irritating and cause dermatitis upon prolonged exposure.

Eyes: Can be irritating upon contact. Can cause redness, tears and blurred vision.

Inhale: Over-exposure may cause headache, dizziness, nausea, unconsciousness

Ingest: may irritate stomach and intestines. If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs which can produce chemical pneumonitis, pulmonary edema/hemorrhage and even death

Existing skin diseases may be aggravated by overexposure.

Chronic Effects of Overexposure:

May be toxic to kidneys lungs, and blood. Repeated or prolonged exposure can produce target organ damage, defatting of skin and skin irritation.

HMIS Codes: Health 2; Flam. 1; React. 1; Pers. Protection B; Chronic Haz. No

Carcinogenic effects: None of the ingredients are listed as carcinogens by IARC, NTP, or OSHA

SECTION IV – FIRST AID MEASURES

First aid procedures:

Skin: Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Get medical attention if irritation develops.

Eyes: Check for and remove contact lens. Immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhale: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention.

Ingest: Aspiration hazard if swallowed- can enter lungs and cause damage. If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. If individual is alert, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention at once.

SECTION V – FIRE AND EXPLOSION DATA:

Flash Point (F) >200

Flammable Limits: LEL: 1% UEL 7%

Fire Fighting Procedure: In case of fire use water spray, dry chemical, or CO2. Cool closed containers exposed to fire with water... Firefighters should wear proper protective equipment.

Fire Hazard: Vapors heavier than air and may travel along ground and ignite pilot light or other flame sources.

SECTION VI – ACCIDENTAL RELEASE MEASURES:

Spill Clean Up: Wear appropriate protective equipment. Absorb with an inert material and put spilled material in appropriate waste disposal.

SECTION VII – HANDLING AND STORAGE PROCEDURES:

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing spray mists. Keep container closed... Wash thoroughly after handling.

Storage: Keep container in cool well ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep away from heat and open flame. Keep out of the reach of children.

SECTION VIII EXPOSURE CONTROLS, PERSONAL PROTECTION:

Eye Protection: Tight fitting safety goggles are recommended if splashing may occur.

Protective Clothing: Waterproof protective gloves

Respiratory: Use with adequate ventilation.

SECTION IX – PHYSICAL AND CHEMICAL DATA:

Boiling Point (F) 340 Specific Gravity: 0.8 -0.82 pH: NA

VOC content (%) 63 Evaporation Rate (Bu acetate=1) NA

vap. Pressure (mm Hg) NA

Vap. Density NA Solubility in Water: insoluble

Appearance and Odor: clear colorless liquid with cherry fragrance

SECTION X – REACTIVITY DATA:

Stability: Stable

Incompatibility: strong oxidizing agents

Polymerization: Will not occur

Hazardous Decomposition: carbon monoxide, carbon dioxide

SECTION XI TOXOLOGICAL INFORMATION

Toxicity to animals

Oral (LD50) acute: not available

Dermal (LD50) acute: not available

SECTION XII

Ecological Information - not available

Biodegradable/OECD – not available

SECTION XIII DISPOSAL CONSIDERATIONS

Waste Disposal Method: Liquid wastes are not permitted in landfill. Consult local, state, and federal agencies for proper disposal in your area.

Classification: hazardous waste

SECTION XIV TRANSPORT INFORMATION

Proper shipping name NA

DOT classification not a DOT controlled material

UN number NA

SECTION XV REGULATORY INFORMATION

SARA 313 toxic chemical notification and release reporting - regulated substance: NA

Clean Water Act (CWA) regulated substance NA

Clean Air Act (CAA) 112 regulated toxic substances

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To the best of our knowledge 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.

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