



MAX-TANE
RTN Number: 00310344

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: MAX-TANE
Synonyms: Diesel fuel additive
Chemical Name: Proprietary Mixture
Chemical Family: Diesel Fuel Additive
CAS Number: Blend

Company Identification

Royal Purple
One Royal Purple Lane
Porter, TX 77365
1-281-354-8600 (For product information)
1-281-354-8600 (For emergencies)

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
2-ETHYLHEXYL NITRATE	> 70.0 %	27247-96-7
SOLVENT NAPHTHA, PETROLEUM, LIGHT AROM.	< 5.0 %	64742-95-6
1,2,4-TRIMETHYLBENZENE	< 5.0 %	95-63-6
1,3,5-TRIMETHYLBENZENE	< 2.0 %	108-67-8
XYLENE	< 1.0 %	1330-20-7
TRIMETHYLBENZENE	< 1.0 %	25551-13-7
CUMENE	< 0.5 %	98-82-8

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

SARA 311 Categories:

Immediate (Acute) Health Effects.....: Yes
Delayed (Chronic) Health Effects.....: Yes
Fire Hazard.....: Yes
Sudden Release Of Pressure Hazard....: No
Reactivity Hazard.....: Yes



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3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
* WARNING
*
* Combustible liquid. Keep away from sparks and open
* flames. When heated above 100 Deg C, may undergo
* an exothermic reaction which causes a rapid rise in
* temperature and pressure. Rupture of storage
* vessels and fire should be anticipated in case of
* such temperature. Can cause severe lung damage and
* may be fatal if swallowed.
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*****
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HMIS Rating - Health: 2
 Flammability: 2
 Reactivity: 1

NFPA Rating - Health: 2
 Flammability: 2
 Reactivity: 1

POTENTIAL HEALTH EFFECTS

EYE:
May cause eye irritation or discomfort.

SKIN:
Harmful if absorbed through the skin. Prolonged or repeated contact may result in drying of the skin which may result in skin irritation and dermatitis.

INHALATION:
Harmful if inhaled.

INGESTION:
Harmful if swallowed.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove any contact lenses if worn. Get medical attention immediately.



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(section 4 continued)

SKIN CONTACT FIRST AID:

Wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing separately before reuse.

INHALATION FIRST AID:

Remove to fresh air.

If not breathing, give artificial respiration and contact a physician immediately. If breathing is difficult, administer oxygen and contact a physician immediately.

INGESTION FIRST AID:

If swallowed, do NOT induce vomiting, but have the victim rinse mouth with water, and then drink 2 large glasses of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

TCC Flash Point: 65.0 C (149.0 F)
Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A
UEL: N/A

EXTINGUISHING MEDIA:

Dry chemical, water spray (fog), carbon dioxide, foam.

FIRE & EXPLOSION HAZARDS:

Combustible Liquid. Vapors will burn releasing toxic vapors, fumes and smoke, including carbon monoxide and organic vapors. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture or explosion.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

Avoid breathing smoke and vapor.



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(section 5 continued)

When heated above 100 Deg C, may undergo a self-accelerating, exothermic reaction which causes a rapid rise in temperature and pressure. Rupture of storage vessels and fire should be anticipated in case of such temperatures. Spray storage vessels with water to maintain temperature below 100 Deg C.

COMBUSTION PRODUCTS:

Hazardous decomposition products are oxides of carbon and nitrogen including CO and CO₂.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment (See Section 8). Evacuate non-emergency personnel to a safe area.

If applicable, report spills to the proper environmental agencies as required by federal, state and local regulations.

INITIAL CONTAINMENT:

Eliminate all sources of ignition - Heat, sparks, flame, electricity, and impact. Contain spilled material with dikes or absorbents. Marine Pollutant. Do not allow material to enter soil, surface water, or sewer system.

LARGE SPILLS PROCEDURE:

Stop the source of the leak, if it is safe to do so. Contain spilled material. Vacuum or sweep up material and place in a disposal container. Absorb residue with inert material (e.g. dry sand or earth), then place in a chemical waste container. Do not flush to sewer. Use explosion-proof equipment during clean-up.

SMALL SPILLS PROCEDURE:

Absorb spills with inert material. Transfer to a chemical waste container and dispose of properly. Spills are extremely slippery and should be cleaned up immediately.

MISCELLANEOUS:

Treat or dispose of in accordance with all federal, state, and local requirements.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.



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(section 7 continued)

Ground and bond containers when transferring material.

Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Keep away from food and drinking water.

HANDLING (PHYSICAL ASPECTS):

Secure container after each use. Store in a cool dry, secure area. Keep out of reach of children. Ground containers when transferring material.

Avoid contact with strong oxidizing agents.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of.

STORAGE PRECAUTIONS:

Store in a tightly closed container. Store in a cool dry place. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Contact with hot surfaces may ignite the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses with side shields (or goggles) and a face shield.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

Wash hands thoroughly after handling.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required. If anticipating close contact with this product or its mist, local ventilation may be required to keep exposure below limits.

EXPOSURE GUIDELINES:

SOLVENT NAPHTHA, PETROLEUM, LIGHT AROM.

OSHA TWA: 500 ppm

1, 2, 4-TRIMETHYLBENZENE

ACGIH TWA: 25 ppm



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1, 3, 5-TRIMETHYLBENZENE
ACGIH TWA: 25 ppm
XYLENE
OSHA TWA: 100 ppm, 435 mg/m³
ACGIH TWA: 100 ppm, 434 mg/m³
OSHA STEL: 150 ppm, 655 mg/m³

(section 8 continued)

ACGIH STEL: 150 ppm, 651 mg/m³

TRIMETHYLBENZENE
OSHA TWA: 25 ppm, 125 mg/m³
ACGIH TWA: 25 ppm, 123 mg/m³
CUMENE
OSHA PEL: 50 ppm
OSHA TWA: 50 ppm, 245, mg/m³
ACGIH TWA: 50 ppm, 246 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Purple
ODOR: Fruity
VAPOR PRESSURE: 0.4 mm Hg @ 20 F
SOLUBILITY IN WATER: Nil
SPECIFIC GRAVITY: 0.96 at 20 Deg C (Water = 1)
PH: Not applicable

10. STABILITY AND REACTIVITY

STABILITY:

Stable at nominal temperatures and storage conditions. Unstable at temperatures greater than 100C (212F).

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid heat, flame and contact with strong oxidizing and reducing agents.

DECOMPOSITION:

In the case of fire, a complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide, smoke and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

CONDITIONS TO AVOID:

Sources of ignition and temperatures above 50C (122F) - 60C (140F).



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11. TOXICOLOGICAL INFORMATION

SKIN EFFECTS:

1-Ethylhexyl Nitrate is harmful in contact with skin.

MISCELLANEOUS:

Please contact supplier for additional toxicological information.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

MISCELLANEOUS:

Ecotoxicity:

2-Ethylhexyl Nitrate:

Trout	24 Hours	145 mg/l
Trout	48 Hours	116 mg/l
Bluegill	96 Hours	4.5 mg/l
Bluegill	48 Hours	6.0 mg/l
Bluegill	72 Hours	5.4 mg/l

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Do not dispose of into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

This material, if discarded, is considered a hazardous waste under RCRA Regulation 40 CFR 161.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: MAX-TANE
D.O.T. SHIPPING NAME: Combustible Liquid, N.O.S.
TECHNICAL SHIPPING NAME: Contains 2-Ethylhexylnitrate
D.O.T. HAZARD CLASS: Combustible Liquid
UN NUMBER: NA1993
D.O.T. PLACARD: Combustible Liquid
PACKAGE CLASS: Packing Group III



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MISCELLANEOUS:

This material is a marine pollutant, when transported in bulk quantities.

International Shipments are regulated as: Flammable liquid, N.O.S
(contains 2-Ethylhexylnitrate), Class 3, UN1993, PG III.

15. REGULATORY INFORMATION

REGULATORY DISCLOSURES:

New Jersey Right to Know list:

1, 2, 4-Trimethylbenzene, CAS #95-63-6, < 5.0 %

1, 3, 5-Trimethylbenzene, CAS #108-67-8, < 2.0 %

Cumene, CAS #98-82-8, < 0.5 %

Xylene, CAS #1330-20-7, < 1.0 %

Pennsylvania Right to Know list:

1, 2, 4-Trimethylbenzene, CAS #95-63-6, < 5.0 %

Cumene, CAS #98-82-8, < 0.5 %

Xylene, CAS #1330-20-7, < 1.0 %

Canadian Disclosure List

1, 2, 4-Trimethylbenzene, CAS #95-63-6

1, 3, 5-Trimethylbenzene, CAS #108-67-8

Cumene, CAS #98-82-8

Xylene, CAS #1330-20-7

SARA Title III - Section 313

1, 2, 4-Trimethylbenzene, CAS #95-63-6

Cumene, CAS #98-82-8

Xylene, CAS #1330-20-7

CERCLA Hazardous Substances

Cumene, CAS #98-82-8

Xylene, CAS #1330-20-7

RCRA Hazardous Substances

Cumene, CAS #98-82-8

Xylene, CAS #1330-20-7



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Title V

1, 2, 4-Trimethylbenzene, CAS #95-63-6
Cumene, CAS #98-82-8
Xylene, CAS #1330-20-7

SC Toxic Air Pollutants List

Cumene, CAS #98-82-8
Xylene, CAS #1330-20-7

MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

16. OTHER INFORMATION

APPROVAL DATE: September 17, 2013
RTN NUMBER: 00310344 (Official Copy)

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END OF MSDS
