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Polytron Fuel Conditioner

Product Description:

Polytron Fuel Conditioner is scientifically designed fuel enhancer that improves combustion, cleans and lubricates the working parts of the fuel system and the upper part of the engine. Polytron Fuel Conditioner dissolves and removes carbon deposits and prevents future harmful build-up. Polytron Fuel Conditioner improves mileage and overall engine performance.

Features:

Polytron Fuel Conditioner cleans entire fuel system, including injectors, intake valves, ports, valve seats and combustion chamber. When used regularly, exhaust pollutants are reduced by 40% to 60%. Polytron Fuel Conditioner extends the effective life of diesel fuel held in storage tanks and can be used with any gasoline or diesel fuel.

- Maximizes mileage & performance
- Maximizes power & compression
- Cleans entire fuel system including injectors, intake valves, ports, valve seats and combustion chamber
- Provides quicker starting in cold weather
- Provides lubrication to moving parts of combustion chamber
- Removes water in fuel tank and lines
- Neutralizes poor quality fuel

Typical Uses:

- Recommended for motor oils in passenger cars, light duty pickups, motorcycles and other gasoline engines. Motor oils in Diesel Engines of Heavy Duty Trucks and other heavy duty equipment.
  Engines of: Cummins, Caterpillar, Fiat-Allis, Ford, GMC, Isuzu, John Deer, Mack, M.A.N., Mercedes-Benz, Mitsubishi, Scania, Volvo, and others.
- Transmission Fluids.
- Hydraulic Oils.
- Compressor oils.
- Refrigeration oils.
- Arbor and form oils.
- Ways oils.
- CP oils.
- Gear oils.
- Cutting oils.

Recommended for:

- All diesel engines including:
- trucks,
- automobiles,
- tracktors,
- irrigation
- pumps,
- oil field equipment,
- marine engines,
- railroad engines.

Typical Inspections

	ASTM Test	
Specific Gravity, 60 /16	D-287	0.84
Flash Point, °F / °C	D-92	141/ 61
Pour Point, °F / °C	D-97	-40 / -40
TBN	D-2896	4.5

Material Safety Data Sheet. (MSDS)

Trade name: **Polytron Fuel Conditioner**

Printing Date: January 30, 2018

Identification of substance

Product details

Product Description: **Polytron Fuel Conditioner Industrial Grade**

Application of the substance: Complementary Fuel Additive package

Manufacturer / Supplier:
Eptech Corporation, USA

Emergency information:
E-mail: agranimicrolubes@gmail.com , tech@polytronofficial.com

Composition / Data on components

Chemical characterization
Description: Oily fluid mixture of petroleum based chemicals mixed with oxidation inhibitor and detergent chemicals.

Dangerous components:

CAS-No.	Designation	%
8042-47-5 EINECS: 232-455-8	White mineral oil (petroleum)	30-60%
61788-90-7 EINECS: 263-016-9	Amines, coco alkyldimethyl	25-45%
64-17-5 EINECS: 200-578-6	Ethanol	25 - 45%
9003-29-6 EINECS: 500-004-7	Butane, homopolymer	<3%
Oxidation Inhibitor & Detergent		<3%
Aliphatic Petroleum Distillates Mixture of (647-42547 & 647-42558)		<3%

Hydro treated Distillate, Heavy Paraffin 64742-54-7

(The petroleum base oils contained in this product have been highly refined by a variety of processes including severe hydro cracking/hydro processing to reduce aromatics and improve performance characteristics. All of the oils meet the IP-346 criteria of less than 3 percent PAH's and are not considered carcinogens by NTP, IARC, or OSHA.)

Hydro treated Distillate, Light Paraffin 647-42558

(The petroleum base oils contained in this product have been highly refined by a variety of processes including severe hydro cracking/hydro processing to reduce aromatics and improve performance characteristics. All of the oils meet the IP-346 criteria of less than 3 percent PAH's and are not considered carcinogens by NTP, IARC, or OSHA.)

Hazards identification

Hazard designation: Xi Irritant
Information pertaining to particular dangers for man and environment:
R22 Harmful if swallowed R36 Irritating to eyes R38 Irritating to skin

Classification system:
The classification is in line with current EC lists. Refer to no. 11 and 12

First aid measures

After Inhalation:
Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists, get medical attention.

After skin contact:
Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops.

After eye contact:
Rinse eyes for at least 15 minutes under running water with eyelids held open. Get medical attention if eye irritation develops or persists.
After Ingestion:
DO NOT INDUCE VOMITING. Rinse out mouth and then drink plenty of water. Seek immediate medical attention.

Fire fighting measures

Flash Point (closed cup): 121^{0}C
Highly Combustible May release flammable vapors when heated above flash point.
Extinguishing Media:
Carbon dioxide, dry chemical or foam. Avoid using water.
Protective equipment:
Refer to sections 8 and 16
General Advice:
Use water only for cooling container. Water may cause splattering, or transport the flame.

Accidental release measures

Personnel-related safety precautions:
Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see PPE section 8 & 16. Remove sources of ignition.
Measures for environmental protection:
Prevent entry into sewers and waterways.
Measures for cleaning/collecting:
Contain release; pick up free liquid for recycling or disposal. Residual liquid can be absorbed with inert material.
Additional information:
No dangerous materials are released.

Handling and storage

Handling:
Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling. Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.
Storage:
Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

Exposure controls and personal protection

Components with critical values that require monitoring at the workplace:

CAS-No.	Designation of material	Value	Unit
8042-47-5		TLV (US) 5	mg/m³
EINECS: 232-455-8			

Additional information:
Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists (if present).
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures should be adhered to in handling the chemicals.
Respiratory Protection:
Use approved respirator with organic vapor/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.
Gloves:
Nitrile or neoprene gloves are recommended.
Penetration time of glove material:
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:
Wear safety glasses, goggles or face shield when working above eye level if there is danger of splashing.
Clothing:
Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

Physical and chemical properties:

Form: Liquid
Colour: Yellowish clear

Specific Gravity:	0.857
pH-value (T=23 ºC)	Not determined
Melting point ;	Not determined
Boiling point/ Boiling range:	> 98 ^{0}C
Flash point (open cup):	> 76 ^{0}C
Self-inflammability:	Not determined
Vapor density (T=20ºC)	slightly heavier than air
Vapor pressure (T=20ºC)	<2 mmHg
Water solubility (T=20ºC)	medium
Evaporation Point:	**Higher than ether**

Stability and reactivity Stability:

Material is normally stable at ambient temperature and pressure.

Conditions to be avoided:

Do not store with strong oxidizing agents. Keep away from heat, sparks, open flame, or all sources of ignition.

Dangerous reactions:

Will not occur.

Dangerous products of decomposition:

Carbon dioxide, carbon monoxide, hydrocarbons.

Carcinogenicity:

None

Toxicological information Primary irritant effect:

On the skin:

Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.

On the eye:

Not expected to cause eye irritation. Prolonged or repetitive contact may cause irritation.

Sensitization:

No sensitizing effect known.

Oral Toxicity:

Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, and diarrhea.

Ecological information

General notes:

Low concentrations of this product are not known to have adverse on marine and plant life, although large spills in water or soil are expected to have adverse effects on marine and plant life.

Disposal considerations

Recommendation:

No recommendations, since the product burns with fuel it is mixed with.

Unclean packaging:

Disposal must be made according to official regulations.

Transport information

Not classified as dangerous goods as per above regulations.

Regulatory information

Designation according to EC-guidelines:

This substance is not listed in the Annex I of Regulation (EC) No 689/2008.

EU REACH: Annex XVII

Not applicable

Hazard-determining components for labeling:

ELINCS: None

R-phrases:

None

S-phrases:

S 24	When handling, avoid contact with skin and eyes
S 25	In case of massive contact with eyes rinse immediately with plenty of water and seek medical advice.
S 37/39	When risk of splash, wear suitable gloves and wear safety glasses.