



Marine Gas Conditioner

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Rules & Regulations
Revision: 04/20/2018 Issued: 05/01/2008 Supersedes: 04/01/2012

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT FORM: Liquid Substance
TRADE NAME: **TECHNOL MARINE GAS CONDITIONER**
CHEMICAL NAME: Proprietary mixture of petroleum distillates
COMPANY: Technol Fuel Conditioners, Inc.
145 Wyckoff Road
Eatontown, NJ 07724
Phone: 1.800.645.4033
EPA REGISTRATION: None - Not designed for On-Road Fuel Consumption
EMERGENCY PHONE: Chemtrec: 1.800.424.9300 - within USA and Canada
Chemtrec: 1.703.527.3887 - outside USA and Canada

SECTION 2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Liquids, 3
Health, Specific target organ toxicity– Single exposure, 3
Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 4 Dermal
Health, Acute toxicity, 4 Inhalation
Health, Skin corrosion/irritation, 2
Health, Carcinogenicity, 2
Health, Aspiration hazard, 1
Health, Serious Eye Damage/Eye Irritation 2A

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS HAZARD PICTOGRAMS:



GHS Hazardous Statements:

H226-Flammable liquid and vapor
H335-May cause respiratory irritation
H336-May cause drowsiness or dizziness
H302-Harmful if swallowed
H312-Harmful in contact with skin
H332-Harmful if inhaled
H351-Suspected of causing cancer
H304-May be fatal if swallowed and enters airways
H315-Causes Skin irritation
H319 -Causes serious eye irritation



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GHS Precautionary Statements:

- P210-Keep away from heat/sparks/open flames/hot surfaces. NO SMOKING
- P243-Take precautionary measures against static discharge.
- P233-Keep container tightly closed
- P261-Avoid breathing dust/fume/gas/mist/vapors/spray.
- P301 + 330 + 331-IF SWALLOWED: Rinse mouth. DO NOT induce vomiting
- P302 + 352-IF ON SKIN: Rinse with soap and water.
- P304 + 340- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338-IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P308+313-IF exposed or concerned: Get medical advice/attention.

SECTION 3. COMPOSITION AND INGREDIENTS INFORMATION

Ingredients:

CAS Number	%	Chemical Name
64742-47-8	40-50%	Distillates, Petroleum, hydrotreated light
111-76-2	<25%	2-Butoxyethanol
64742-95-6	<25%	Solvent naphtha, petroleum, light arom.
*****	<25%	Monoalkylaryl alkoxyate aminated (proprietary)
95-63-6	<10%	1,2,4-trimethylbenzene
108-67-8	<5%	1,3,5-trimethylbenzene
103-65-1	<5%	n-Propyl benzene
1330-20-7	<2%	Xylene
98-82-8	<2%	Cumene
526-73-8	<2%	1,2,3-trimethylbenzene

SECTION 4. FIRST AID MEASURES

- INHALATION:** Overexposure can cause dizziness, lack of coordination, and breathing complications, unlikely to occur under normal usage conditions. Handlers should always wear a self-contained breathing apparatus in the positive mode with a full face-piece due to the likelihood of fumes, smoke, and hazardous component decomposition. Remove to fresh air and deploy artificial respiration if not breathing. Get medical attention.
- SKIN CONTACT:** Can cause irritation of exposed skin due to defatting of skin tissue. Handlers should always wear rubber gloves. Wash exposed skin vigorously with general soap and water. Get medical attention if skin irritation persists.
- EYE CONTACT:** Can cause irritation of exposed eye tissue. Handlers should always wear splash-proof goggles. Rinse eyes with cool flowing water for at least 15 minutes and get immediate medical attention.
- INGESTION:** Can cause irritation of the gastrointestinal tract and possible fatal kidney liver damage. DO NOT INDUCE VOMITING. Deploy artificial respiration if not breathing. Get immediate medical attention.

SECTION 5. FIREFIGHTING MEASURES

FLASH POINT: >54 C (>130 F)

Use dry powder, foam, or carbon dioxide fire extinguishers.
Water may be ineffective unless used by experienced firefighters



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SECTION 6. ACCIDENTAL RELEASE PRECAUTIONS

Eliminate sources of ignition- Heat, sparks, flame and electricity
Contain spilled material
Collect in suitable and properly labeled containers Pick up excess with inert absorbent material
Keep away from drains and ground water

SECTION 7. PRODUCT HANDLING & STORAGE

HANDLING: Avoid contact with eyes, skin, or clothing.
Keep away from sources of ignition.
Do Not pressurize, cut, weld, braze, solder, drill, or grind containers.
Handle with care and avoid spillage on the floor (slippage).
Ground and bond containers when transferring material

STORAGE: Keep away from sources of ignition.
Store in a tightly closed container.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94)

Personal Protective Equipment: Use of safety glasses and gloves is recommended.

Exposure Guidelines: Light Aromatic Solvent Naphtha (Petroleum)
OSHA TWA: 500 ppm
1,2,4-Trimethylbenzene
ACGIH TWA: 25ppm
Xylene
OSHA TWA: 100 ppm, 435 mg/m³
Cumene
OSHA TWA: 50 ppm, 245 mg/m³
1,3,5-trimethylbenzene
ACGIH TWA: 25ppm
1,2,3-trimethylbenzene
ACGIH TWA: 25ppm

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Yellow Liquid	Odor:	Hydrocarbon-like
Boiling Point:	Not available	Viscosity	Not available
Vapor Pressure:	Not available	Vapor density (Air = 1):	Not available
Solubility in Water:	Negligible	Solubility in Organic Solvents:	Soluble
pH:	Not Applicable	Flash point, COC (ASTM D-93):	>54 C (>130 F)
Pounds per Gallon	7.17 lbs./gal	Evaporation Rate (Butyl Acetate =1):	Not available
Freeze Point:	Not available	Volatiles By Volume:	Not available
Specific gravity	0.86 at 60 F (Water = 1)	Decomposition Temp:	Not available
Partition coefficient:	Not available	Flammability:	Not available
		UFL/LFL	Not available



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SECTION 10. STABILITY AND REACTIVITY

Chemical Stability:	Product is stable under normal conditions
Conditions to avoid:	High temperatures above 50 C (122 F), sparks, and open flame.
Materials to avoid:	Avoid strong oxidizing agents. May burn or react violently to fluorine/oxygen mixtures.
Hazardous Decomposition:	Combustion will produce carbon dioxide and , possibly toxic chemicals such as carbon monoxide.
Hazardous Polymerization:	Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Repeated skin contact with this product may cause dermatitis or an oil acne.
No Component is listed as a mutagen or teratogen

EYE EFFECTS:

Solvent Petroleum Naphtha, slightly irritating to rabbits.

SKIN EFFECTS:

Solvent Petroleum Naphtha no deaths reported at 4 ml/kg in rats. Slightly irritating in rabbits at 4 hours
142 Solvent, LD50>5,000 mg/kg in rabbits
2-Butoxyethanol LD50 470 mg/kg in rabbits
Monoalkylaryl alkoxyate aminated LD50 >3000 in rats
1,2,4-trimethylbenzene LD50 5000 mg/kg in rabbits
Xylene LD50 >14,100 mg/kg rabbits
Cumene LD50 10,578 mg/kg in rabbits

ACUTE ORAL EFFECTS:

Solvent Petroleum Naphtha LD50 10ml/kg in rats.
142 Solvent, LD50>5,000 mg/kg in rats
2-Butoxyethanol LD50 470 mg/kg in rats
1,2,4-trimethylbenzene LD50 5000 mg/kg in rats
1,3,5-trimethylbenzene LD50 >5000 mg/kg in rats
n-Propyl benzene LD50 6,040 mg/kg in rats
Xylene LD50 >3523 mg/kg rats
Cumene LD50 12,750 mg/kg in rats

ACUTE INHALATION EFFECTS:

Solvent Petroleum Naphtha no deaths at 710 ppm in rats at 4 hours
142 Solvent, LD50>4.3 mg/l in rats at 4 hours
2-Butoxyethanol LD50 2175 mg/l in rats at 4 hours
1,2,4-trimethylbenzene LD50 vapor 18,000 mg/m³ in rats at 4 hours
1,3,5-trimethylbenzene LD50 vapor 24,000 mg/m³ in rats at 4 hours
Xylene LD50 vapor >5000 ppm in rats at 4 hours
Cumene LD50 vapor 8,000 ppm in rats at 4 hours

CARCINOGENICITY:

Xylene IARC 3
Cumene IARC 2B

SECTION 12. ECOLOGICAL INFORMATION

No specific aquatic data is available.
Avoid exposing to the environment



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SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of waste material in accordance with all local, state/provincial, and national requirements
Do not flush to surface water or drains

SECTION 14. TRANSPORTATION INFORMATION

UN1993, Flammable liquid, n.o.s., 3, PGIII, (Contains Petroleum Naphtha, 2-Butoxyethanol), (Marine pollutant.)

This material is not regulated for US DOT transportation in quantities less than 119 gallons

IMDG & IATA: Flammable liquid, n.o.s., (Contains Petroleum Naphtha, 2-Butoxyethanol), 3, III. Marine pollutant.

SECTION 15. REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Distillates, Petroleum, hydrotreated light (64742-47-8)[40-50%] TSCA

2-Butoxyethanol (111-76-2) [<25%] HAP,MASS.OSHAWAC, PA, TSCA, TXAIR

Solvent naphtha, petroleum, light arom. (64742-95-6) [<25%] TSCA

Proprietary amine compound (0) [<25%] GADSL, REACH

1,2,4-trimethylbenzene (95-63-6) [<10%] MASS, NJHS, PA, SARA313, TSCA, TXAIR

1,3,5-trimethylbenzene (108-67-8) [<5%] MASS, TSCA

n-Propyl benzene (103-65-1) [5%] MASS, PA, TSCA

RQ100LBS), Xylene (1330-20-7) [<2%] CERCLA,CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

RQ(5000LBS) Cumene (98-82-8) [<2%] CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313,TOXICRCRA, TSCA, TXAIR, TXHWL

1,2,3-trimethylbenzene (526-73-8) <2%] TSCA, TXAIR

Regulatory CODE Descriptions

CERCLA = Superfund clean up substance

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substance List

NJHS = NJ Right - to - know List of Hazardous Substances

OSHAWAC = OSHA Workplace Air Contaminants

PA = Pennsylvania Right - to - Know List of Hazardous Substances

SARA313 = SARA 313 Title III Toxic chemicals

TSCA = Toxic Substance Control Act

TXAIR = Texas Air contaminants with Health Effects Screening Level

RQ = Reportable Quantity

CSWHS = Clean water Act Hazardous Substances

EPCRAWPC = EPCRA Water Priority Chemicals

TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)

TXHWL = TX Hazardous Waste List

GADSL- Global Automotive Declarable Substance List (GADSL)

REACH - REACH list of Substances of very high concern (RSL)



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OTHER INFORMATION

The information contained in this Safety Data sheet relates only to the specific material designated. Technol Fuel Conditioners, Inc. assumes no legal responsibility for use or reliance on this data. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Technol Fuel Conditioners, Inc.