



Technol[®] C-10

Corrosion Inhibitor

Product Description Sheet

Technol C-10 Corrosion Inhibitor is the water control specialist! With continued use will effectively prevent further fuel tank / system rust and corrosion from occurring. Technol C-10 Corrosion Inhibitor emulsifies larger amounts of water that common fuel additives aren't able to handle themselves, and also melts ice.

The presence of a free water layer on the tank bottom will in time rust out the tank, causing downtime, expensive equipment replacement, leak / spill hazards to the environment and possible EPA visits and fines.

Adding Technol C-10 Corrosion Inhibitor to each refueling of your tank will virtually eliminate this possibility as the new fuel is conditioned to provide continued corrosion protection. Still, tanks and fuel lines should be regularly inspected and monitored for leaks from pre-existing conditions to prevent ground contamination.

The regular use of Technol C-10 Corrosion Inhibitor will inhibit the growth of micro-organism due to the removal of water which is needed to sustain life. The components in Technol C-10 Corrosion Inhibitor will discourage the growth of micro-organisms, even in the presence of water.

Technol C-10 Corrosion Inhibitor will melt ice on contact and the presence of the product in

fuel at the recommended doses will prevent ice from forming from fuel-borne water and largely prevent masses of ice on the tank bottom.

The direct application of Technol C-10 Corrosion Inhibitor to any already formed ice will melt this ice; simply apply the product through a tube directly to the ice at the bottom of the tank, without allowing it to mix excessively with fuel.

Use of Technol C-10 Corrosion Inhibitor will accelerate the action of **Technol STR-2+[®]** by breaking up sludge and forming a cleanly separated water layer for easy removal in heating fuel.

Directions

Initial Application

16ozs. to 275 gallons of fuel
1 gallon to every 2,000 gallons

Maintenance Application

8ozs. to 275 gallons of fuel
1 gallon to 4,000 gallons

Technol C-10 Corrosion Inhibitor is readily available in:

5gallon Closed-Head Steel Pails
54-gallon Closed-Head Steel Drums
275- & 330-gallon Tote Bins for bulk applications.



Superior Corrosion and Water Control For Fuel

Bulleled Highlights

- Regular use melts existing ice and prevents all subsequent ice formation
- Protects the entire fuel system from tank to oil line to burner
- Eliminates corrosion of systems metals, including those in constant contact with water
- Removes moderate levels of water by dissolving water into a micro-emulsions (water-in-oil consumption).
- Inhibits the growth of microbial growth by eliminating the water environment

Used by or in:

Home Owners ▲ Fuel Oil Supply Companies ▲ Bulk Fuel Storages



Technol[®] C-10

Corrosion Inhibitor

Technical Data Sheet

DESCRIPTION

Technol C-10 is a home heating, diesel, and distillate fuel conditioner that will eliminate the harmful effects of severe water contamination within metal fuel tanks and fuel systems. It will eliminate further corrosion, separate and liquefy sludge, cleanly separate even the heaviest concentrations of water for easy removal and melt and prevent ice. Technol C-10 does not reduce the pour point of distillate fuels or significantly improve combustion.

BENEFITS

Technol C-10 will prevent further rusting in tanks and fuel systems prone to gross water contamination. Water is deposited as a cleanly separate-able bottom layer for draw off. Sludge is dissolved and dispersed into the fuel for burning. Technol C-10 will melt existing ice on contact and prevent the formation of ice within the fuel system. It will inhibit the growth of micro-organisms by eliminating the water necessary to sustain life. It will remove moderate levels of water by dissolving water into a micro-emulsion. which continually removes up to about 200 ppm of water. All these features lead to reduced down time, maintenance and increased savings.

AVAILABILITY

Technol C-10 is available in 5-gallon Closed-Head Steel Pails, 54-gallon Closed-Head Steel Drums, 275- & 330-gallon Totes Bins for bulk applications. Contact your Technol

APPLICATION & RATIOS

Technol C-10 may be applied directly to bulk storage and fuel tanks.

It is recommended to be applied before refueling to ensure proper mixing, but can be applied anytime.

Initial Application:

1 gallon treats 2,000 gallons of fuel.

Maintenance Application:

1 gallon treats 4,000 gallons of fuel.

PHYSICAL & CHEMICAL PROPERTIES

Technol C-10:

ODOR : Camphor
MATERIAL IS : Liquid
FLASH POINT : 140°F Typical
APPEARANCE : Amber-Clear
SPEC. GRAVITY @25°C (77°F): 0.92

COMPOSITION

Technol C-10 is a scientifically formulated concentrated blend of corrosion inhibitors, sludge dispersants, water conditioners, a biological control agent and de emulsifiers. It contains no harmful alcohols, acids, salts, or heavy metals.



C-10 Corrosion Inhibitor

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Rules & Regulations
 Revision: 10/01/2015 Issued: 08/01/1992 Supersedes: 10/01/2005

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT FORM: Liquid Substance
 TRADE NAME: **Technol C-10 Corrosion Inhibitor**
 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: Not Approved for On-Road 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

GHS SIGNAL WORD: **WARNING!**

GHS HAZARD PICTOGRAMS:



GHS CLASSIFICATIONS:

PHYSICAL: H227: Combustible liquid
 HEALTH: H302: Harmful if swallowed
 H312: Harmful in contact with skin
 H320: Can cause eye irritation
 H336: May cause drowsiness or dizziness
 H373: May cause damage to organs through prolonged or repeated exposure

ENVIRONMENTAL: H402: Harmful to aquatic life

GHS PRECAUTIONARY STATEMENTS:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.
 P261: Avoid breathing dust/fumes/gas/mist/vapors/spray [As modified by IV ATP].
 P262: Do not get in eyes, on skin, or on clothing.
 P273: Avoid release into the environment.
 P301+P331: IF SWALLOWED, Do NOT induce vomiting.
 P410+P411: Protect from sunlight. Store at temperatures between 45°F [7.2°C] and 85°F [29.4°C].

SECTION 3. COMPOSITION AND INGREDIENTS INFORMATION

<u>Chemical Name</u>	<u>Hazard Date</u>	<u>% By Weight</u>	<u>CAS Number</u>	<u>SARA 311</u>	<u>SARA 312</u>	<u>SARA 313</u>
Aromatic Naphtha	Not Available	40% - 60%	64742-94-5	NO	NO	YES
Glycol Ethers	August, 1992	20% - 50%	111-76-2	NO	NO	YES



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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

Special Hazards and Procedures:

This product poses no unusual fire fighting problems. It will burn if involved in a fire. Oxides of sulfur (SO₂) will be given off while burning. Combustion may produce oxides of carbon and oxides of calcium. Water may be used to cool fire-exposed containers and structures but is not a suitable extinguishing media.

Protective Equipment:

As in any fire, firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained goggled breathing apparatus, protective gloves and clothing.

Extinguishing Media:

Dry chemical, CO₂ and foam are suitable. Water jets or any water-based fluid are not suitable. Closed containers may be cooled with water. Treat large fires as an oil fire. Oil will float on water and can cause fire to spread. Heat from fire can generate flammable vapor.

SECTION 6.

ACCIDENTAL RELEASE PRECAUTIONS

PERSONAL: Wearing suitable protective equipment, eliminate sources of ignition and open nearby windows to ventilate the problem area.

ENVIRONMENTAL: Product has very low solubility in water. Prevent from entering sewer system, surface water or soil.

FOR SPILL CLEAN-UP: Shut off leak and dike up large spills. Absorb with an inert material such as sand, soil or vermiculite. Sweep up absorbent and dispose in accordance with regulatory requirements.

SECTION 7.

PRODUCT HANDLING & STORAGE

HANDLING: This product is best stored in its original container. Steel or HDPE containers are recommended replacements and electrically bond and ground all containers and equipment. Avoid contact with eyes, skin and clothing. Avoid breathing vapors, aerosol and mists. Use with adequate ventilation and wash thoroughly after handling. Never use pressure to empty drums.

STORAGE: Full or partially-filled containers should always be kept upright and away from strong oxidizing agents. This product will pump down to 10°F [-12.2°C]. Nonetheless, it is recommended that full or partially-filled containers be stored in a cool dry place between 45° - 85°F [7.2° - 29.4°C]. Store in original container if possible, and keep all chemical containers away from direct sunlight and tightly closed when not in use.



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SECTION 8.

EXPOSURE CONTROL/PERSONAL PROTECTION

VENTILATION: None normally required. Use additional ventilation if needed to control vapor concentrations particularly if a mist is generated or fumes from hot material are present.

RESPIRATORY: None required if area adequately ventilated. Use appropriate respiratory protection if used in confined areas. If used in an application where a mist may be generated, observe a TWA/PEL of 5 mg/m³ (OSHA, ACGIH) for a mineral oil mist. Use a respirator with dual organic vapor/mist and particulates cartridge if vapor concentration exceeds permissible exposure limit.

SKIN PROTECTION: Use neoprene-type gloves and apron.

EYE PROTECTION: Wear chemical safety goggles or a full-plate face shield. Contact lenses should not be worn.

SECTION 9.

PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Amber to Clear Liquid	Odor:	Camphor Characteristic
Boiling Point:	< 340°F	Density at 25°C (gm/cm ³):	0.92 Typical
Vapor Pressure:	< 5 @ 20°C (mm Hg)	Vapor density (Air = 1):	> 1
Solubility in Water:	Negligible	Solubility in Organic Solvents:	Soluble
pH:	Not Applicable	Flash point, COC (ASTM D-93):	140°F
Pounds per Gallon:	7.6	Evaporation Rate:	< 1 (Butyl Acetate =1)
Freeze Point:	10°F (-12.2°C)	Volatiles By Volume @ 20°C:	Nil

SECTION 10.

STABILITY AND REACTIVITY

This product is stable and not subject to hazardous polymerization.

Hazardous Decomposition Products: Oxides of carbon (carbon monoxide and carbon dioxide), oxides of hydrogen (contaminated and hazardous water), and oxides of Nitrogen can occur when exposed to heat at 350°F (176.7°C).

Incompatible materials: Strong oxidizers such as hydrogen peroxide, oxidizing chlorine, and bromine compounds (e.g. chlorine bleach) and chromic acid should be avoided.

Conditions to avoid: Extreme heat and sources of fire or ignition.

SECTION 11.

TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Eye contact, skin contact, inhalation of vapors, and ingestion.

ACUTE TOXICITY: The handling procedures and safety precautions in this SDS should be followed to minimize employee exposure.

CHRONIC EFFECTS: Can cause eye, skin and gastrointestinal irritation. Irritation of tissue, defatting of skin, gastrointestinal irritation, Kidney and Liver damage.

SYMPTOMS: Irritation of exposed tissue and organs, blurriness of vision, dizziness, fainting, and lack of physical coordination.

LD50: Not Established.

NTP/IARC/OSHA: This product and none of its components are listed as a carcinogens, mutagens, or teratogens.

SECTION 12.

ECOLOGICAL INFORMATION

No specific aquatic data is available. This product should be kept away from all bodies of water, and prevented from entering sewer streams. It may be necessary to extract soil where large spills have occurred. No specific Bioaccumulation data is available. No specific Terrain Migration data is available.



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SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: This product should be incinerated as a waste oil, at a certified and registered waste disposal site, in compliance with all federal, state and local regulations and requirements.

RCRA STATUS OF UNUSED PRODUCT: Dispose of this product in permitted hazardous wastes sites. Keep this product away lakes, streams, rivers, ponds, sewer systems, and any other body of water.

SECTION 14. TRANSPORTATION INFORMATION

US DOT Classification:



NA 1993, Combustible Liquid, NOS (placard required on ground carriers): not regulated if shipped or transported in containers less than 450 liters (119 Gallons US).

Proper Shipping Name: Proprietary mixture of petroleum derivatives
Shipping Class: 65 (regardless of package or container size)
Packing Group: III (regardless of package or container size)
NMFC Rating: 155250-02



UN 1993, Flammable Liquid, NOS (placard required on ground carriers): If shipped in containers of 450 liters or more (120 Gallons US or more), by air or by sea.

Proper Shipping Name: Petroleum Distillates, NOS
Shipping Class: 65 (regardless of package or container size)
Packing Group: III (regardless of package or container size)

IMDG Classification:

This product is not known to be a marine pollutant according to the International Marine Dangerous Goods Codes, however it can cause harm to aquatic life.

ICAO Classification:

Proper Shipping Name: Petroleum Distillates, NOS
Class: 3
UN/NA ID #: NA 1993
Packing Group: III

IBC Classification:

Guidance on transporting this product in bulk by ocean freight can be obtained from Annex II of Marpol 73/78 and the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

All Transportation Methods:

Keep packages and containers upright and tightly sealed at all time during transportation. Do not expose packages and containers to direct sunlight, extreme heat, or any source of ignition. All product should be transported in their original packaging and containers. Rubber, plastic or other lined containers should not be used.

SECTION 15. REGULATORY INFORMATION

There are no other national and/or regional statutes or information on this product, including OSHA, Department of Transportation, Environmental Protection Agency, Consumer Product Safety Commission, and Right-To-Know Act not previously addressed in this document.

Chemical Name _____

CAS # _____

NJ TS Number _____

None



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SECTION 16.

OTHER INFORMATION

This product has not been tested in long term, chronic exposure, therefore, the handling procedures and safety precautions in the SDS should be followed to minimize employee exposure.

Label Information for the United States: CAUTION: May cause skin and eye irritation. Do not swallow. Avoid eye and skin contact. Wash thoroughly after handling. Avoid contact with clothing. Wash clothing before reuse. Keep out of reach of children. Keep containers tightly closed when not in use. Avoid breathing mists or sprays of this product or its solutions.

EMPLOYER RESPONSIBILITY

Employers must ensure that these Material Safety Data Sheets are readily accessible and available to all their employees responsible for the storage, handling, and manipulation of this product. This can be done in many ways, such as organizing all chemicals SDS in freely available binders kept in areas where the chemicals are stored, or on computers the handling employees have access to without the inconvenience of leaving the work or storage area. We strongly recommend the binder method which keeps them available in the event of a power outage or other emergency inhibiting computer use. Employers may want to consider designating two persons (primary and backup) responsible for obtaining and maintaining SDS records. If the employer does not have a particular SDS for a chemical commodity, the employer or responsible designate should contact the chemical manufacturer to obtain one prior to product use.

REFERENCES

OSHA, 29 CR 1910.1200(g) and Appendix D.

United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS), 3rd Revised Edition, United Nations, 2009. These references and other information related to the revised Hazard Communication Standard can be found on OSHA's Hazard Communication Safety and Health Topics web site at: <http://www.osha.gov/dsg/hazcom/index.html>.

DISCLAIMER

This brief provides a general overview of the Material Safety Data Sheet requirements as mandated by the Hazard Communication Standard 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200. It does not alter or determine compliance responsibilities in the standard or the Occupational Safety and Health Act of 1970. Since interpretations and enforcement policy may change over time, the reader should consult current OSHA interpretations, decisions by the Occupational Safety and Health Review Commission, and the courts for additional guidance on OSHA compliance requirement. Please note that states with OSHA-approved state plans may have additional requirements for chemical safety data sheets, outside of those outlined above. For more information on those standards, please visit: <http://www.osha.gov/dcsp/osp/statestandards.html>.

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C-10 Corrosion Inhibitor Application Chart

This chart specifies the number of containers or ounces needed for the amount of fuel to be conditioned. Container volumes are maximized in accordance with a 40"x40" skid. To determine ounces needed when container factors are shown, multiply the factor times the Container Ozs.

Container Ozs:	8oz. = 8	Quart = 32	Gal. = 128	Pail = 640	Drum = 6,656	Tote = 35,200
Sizes / Skid Max:	→	→	→	YES 20	YES 216	YES 275
Application:	Initial Maintain	Initial Maintain	Initial Maintain	Initial Maintain	Initial Maintain	Initial Maintain
Ratio:	1: 2000 4,000	2,000 4,000	2,000 4,000	2,000 4,000	2,000 4,000	2,000 4,000
				Pails Needed	Drums Needed	Totes Needed
	50			0.01 ←	← ←	← ←
G	100			0.01 ←	← ←	← ←
A	200			0.02 ←	← ←	← ←
L	500			0.05 ←	← ←	← ←
L	1,000			0.10 0.1	← ←	← ←
O	2,000			0.20 0.1	← ←	← ←
N	3,000			0.30 0.2	← ←	← ←
S	4,000			0.40 0.2	← ←	← ←
	5,000			1 0.3	← ←	← ←
O	7,500			1 0.4	0.1 ←	← ←
F	8,000			1 0.4	0.1 ←	← ←
	9,000			1 0.5	0.1 ←	← ←
F	10,000			1 0.5	0.1 ←	← ←
U	12,000			1 0.6	0.1 0.1	← ←
E	14,000			1 0.7	0.1 0.1	← ←
L	15,000			2 0.8	0.1 0.1	← ←
	20,000			2 1.0	0.2 0.1	← ←
T	25,000			3 1.3	0.2 0.1	← ←
O	45,000			5 2.3	0.4 0.2	0.1 ←
	50,000			5 2.5	0.5 0.2	0.1 ←
B	75,000			8 3.8	0.7 0.4	0.1 0.1
E	80,000			8 4.0	0.8 0.4	0.1 0.1
	89,950			9 4.5	0.9 0.4	0.2 0.1
C	98,000			10 4.9	0.9 0.5	0.2 0.1
O	100,000			10 5.0	1.0 0.5	0.2 0.1
N	110,000			11 →	1 0.5	0.2 0.1
D	115,000			12 →	1 0.6	0.2 0.1
I	119,900			12 →	1 0.6	0.2 0.1
T	135,000			14 →	1 0.6	0.2 0.1
I	159,500			16 →	2 1	0.3 0.1
O	200,000			20 →	2 1	0.4 0.2
N	240,000			→ →	2 1	0.4 0.2
E	320,000			→ →	3 2	1 0
D	520,000			→ →	5 3	1 0.5
	1,000,000			→ →	10 5	2 0.9

Packaging & Shipping : 12 8oz bottles/case (where available) 60 cases per skid; 12 quart bottles/case (where available) 40 cases per skid, 4 gallons/case (where available) 40 cases per skid, 20 pails/skid, 4 drums/skid, one 275-gallon HDPE tote bin per skid. All containers and skids are non-returnable. Please recycle in accordance with local statutes. When seeing the arrow (→) we recomend the next larger size container.