

SECTION 1: IDENTIFICATION

Product Identifier

Product Name: Soltex Inhibsol 10

Synonyms: Soltex Inhibsol 10

Intended Use of the Product

Insulating Oil.

Name, Address, and Telephone of the Responsible Party

Company

Soltex Inc. (Synthetic Oils & Lubricants of Texas)

3707 FM 1960 W Ste. 560

Houston, TX 77068

(281)-587-0900

soltexinc.com

Emergency Telephone Number

Emergency Number : (800)-424-9300 (CHEMTREC); (281)-587-0900 (Other Safety Information)

SECTION 2: HAZARDS IDENTIFICATION

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance or Mixture

Classification (GHS-US)

Asp. Tox. - Cat. 1 Aquatic Chronic - Cat. 2

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger.

Hazard Statements (GHS-US)

: May be fatal if swallowed and enters airways.

: Toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US) : Do not breathe gas/mist/vapors/spray.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Store locked up.

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. See section 13 of this SDS for disposal instructions.

Avoid release to the environment.

Other Hazards

No additional information available

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% (w/w)</u>
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	26.0 - 89.0
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	0.0 - 27.0
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	0.0 - 9.0
Lubricating oils (petroleum), C ₁₅₋₃₀ , hydrotreated neutral oil-based	72623-86-0	0.0 - 45.0
2,6-di-tert-butyl-p-cresol (BHT)	128-37-0	9.5 - 10.5

SECTION 4: FIRST AID MEASURES**Description of First Aid Measures**

Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. IF exposed or concerned: Get medical advice/attention.
Skin contact	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or an allergic skin reaction develops, get medical attention.
Eye contact	Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion	Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.
Most important symptoms/effects, acute and delayed	Defatting of the skin.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Contact physician if discomfort continues.

See toxicological information (Section 11)

SECTION 5: FIRE-FIGHTING MEASURES**Extinguishing media**

Suitable extinguishing media	Dry chemicals. Foam. Carbon dioxide (CO ₂). Water spray or fog.
Unsuitable extinguishing media	Do not use direct water jets; they could cause splattering and spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.
Specific hazards arising from the chemical	No unusual fire or explosion hazards noted.
Special protective equipment and precautions for firefighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
Fire fighting equipment/instructions	Cool containers exposed to flames with water until well after the fire is out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use pressurized air mask if product is involved in a fire.
General fire hazards	No unusual fire or explosion hazards noted.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.
Methods and materials for containment and cleaningup	Large Spills: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth or absorbent material then place into containers. Following product recovery, flush area with water. Small Spills: Stop leak if without risk. Absorb spilled product with suitable non-comustible materials. Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Water polluting material. Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.

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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. All handling to take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Store in a well-ventilated place. Use care in handling/storage. Store separately from oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Distillates (petroleum), hydrotrated light naphthenic (CAS#64742-53-6)	PEL	5 mg/m ³	Mist.
Distillates (petroleum), hydrotreated light paraffinic (CAS#64742-55-8)	PEL	5 mg/m ³	Mist.
Distillates (petroleum), solvent-dewaxed light paraffinic (CAS#64742-56-9)	PEL	5 mg/m ³	Mist.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2,6-Di-tert-butyl-p-cresol (BHT) (CAS#128-37-0)	TWA	2 mg/m ³	Inhalable fraction and vapor.
Distillates (petroleum), hydrotreated light paraffinic (CAS#64742-55-8)	TWA	5 mg/m ³	Inhalable fraction.
Lubricating oils (petroleum), C ₁₅₋₃₀ , hydrotreated neutral oil-based (CAS#72623-86-0)	TWA	5 mg/m ³	Inhalable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Material	Type	Value	Form
Distillates (petroleum), hydrotrated light naphthenic (CAS#64742-53-6)	Ceiling	1800 mg/m ³	
	STEL	10 mg/m ³	Mist.
Distillates (petroleum), hydrotreated light paraffinic (CAS#64742-55-8)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.
Distillates (petroleum), solvent-dewaxed light paraffinic (CAS#64742-56-9)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.
2,6-Di-tert-butyl-p-cresol (BHT) (CAS#128-37-0)	TWA	10 mg/m ³	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

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Individual protection measures, such as personal protective equipment

Eye/face protection	Goggles/face shield are recommended.
Skin protection	
Hand protection	Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.
Other	Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse.
Respiratory protection	Under normal conditions, respirator is not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Thermal hazards	Not available.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance	Clear & bright
Physical state	Liquid.
Form	Liquid.
Color	Water White to Pale
Odor	Mild Petroleum Odor
Odor threshold	Not available.
pH	Not applicable
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	302°F(150°C)ASTM D92
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit -upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.889 g/cm ³ (59°F(15 °C) ASTM D4052/ ISO 12185)
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient(n-octanol/water)	Not established.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	9.8 cSt(104°F(40°C) ASTM D445)

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SECTION 10: STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames and sparks. Avoid temperatures exceeding the flash point.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product emits carbon oxides or other toxic vapors and unidentified organic and inorganic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	May be fatal if swallowed and enters airways.
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Eye contact	May be irritating to eyes.
Ingestion	May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics Defatting of the skin. Coughing. Shortness of breath. Discomfort in the chest.

Information on toxicological effects

Acute toxicity	Not applicable.
Skin corrosion/irritation	May cause defatting of the skin, but is neither an irritant nor a sensitizer.
Serious eye damage/eye irritation	Not classified. May cause minor irritation on eye contact.
Respiratory or skin sensitization	
Respiratory sensitization	Not classified.
Skin sensitization	Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Nota L - Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. Not classified.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity	Contains no ingredient listed as toxic to reproduction
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.

Product/ingredient name	
2,6-di-tert-butyl-p-cresol (CAS#128-37-0)	25 mg/kg body weight/day - NOAEL (oral, rat, 90 days)

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Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
Further information	Risk of chemical pneumonia after aspiration.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Toxic to aquatic life with long lasting effects. Water polluting material.

Product/ingredient name	Result	Exposure	Species	
2,6-di-tert-butyl-p-cresol (CAS#128-37-0)	Acute EC50	0.61 mg/L	48 hours	Daphnia - Magna
	Acute IC50	>0.4 mg/L	72 hours	Algae - DesmodesmusSubspicatus
	Acute LC50	>0.57 mg/L	96 hours	Fish - Danio-rerio
	Chronic NOEC	0.316 mg/L	21 days	Daphnia - Magna

Persistence and degradability: Not inherently biodegradable.

Product/ingredient name	Test	Period	Result
2,6-di-tert-butyl-p-cresol (CAS#128-37-0)	OECD 301C Ready Biodegradability -Modified MITI Test (I)	28 days	4.5 %

Bioaccumulative potential: The product has a potential to bioaccumulate.

Product/ingredient name	LogPow	BCF	Potential
2,6-di-tert-butyl-p-cresol (CAS#128-37-0)	5.1	-	high

Mobility in soil: Not available.

Other adverse effects: Insoluble in water. Spill may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste Yes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

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SECTION 14: TRANSPORT INFORMATION

	DOT	IMO/IMDG	ICAO/IATA	ADN
UN Number	3082	3082	3082	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MIXTURE, CONTAINS 2,6-DI-TERT-BUTYL-P-CRESOL)			
Transport hazard class	9	9	9	9
Packaging group	III	III	III	III
Environmental hazards	environmentally hazardous, marine pollutant			
Special precautions for the user	Always transport in a closed container. Environmentally hazardous substance. Marine pollutants. Keep separated from foodstuffs			
MARPOL Annex 1	Oils			

SECTION 15: REGULATORY INFORMATION

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. CERCLA/SARA Hazardous Substances - Not applicable. Soltex Inhibsol 10 is certified to be PCB-free. Soltex Inhibsol 10 is processed from naturally occurring raw materials with no additives or recycled oils that might introduce PCB contamination.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)	Not regulated.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
SARA 302 Extremely hazardous substance	Not listed.
SARA 311/312	Yes
Hazardous chemical	
Classified hazard categories	Aspiration hazard
SARA 313 (TRI reporting)	Not regulated.
Other federal regulations	
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated.
Safe Drinking Water Act (SDWA)	Not regulated.
US state regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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International Regulations

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Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 5/28/2020

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

GHS SDS