Soltex Thixocal 4500

Safety Data Sheet

Revision Date: 04/12/2019 Date of issue: 04/12/2019 Version: 1.2

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Thixocal 4500

Product Code: Thixocal 4500

Intended Use of the Product

Use of the Substance/Mixture: Corrosion Preventive Compound.

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

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

GHS Hazard Symbols

GHS Classification:	Skin Corrosion/Irritation Category 1B; Serious Eye Damage/Eye Irritation Category 1; Hazardous to the aquatic environment - Acute Category 3
Signal Word:	Danger
Hazard Statements:	Causes severe skin burns and eye damage Causes serious eye damage Harmful to aquatic life
Unclassified Hazards (HNOC):	"DO NOT FREEZE"
Precautionary Statements Prevention:	Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Specific treatment: see Section 4 on this SDS. Wash contaminated clothing before reuse.
Storage	Store locked up.

Disposal Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

Hazards not otherwise classified: No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Common name and synonyms	CAS #	%
Morpholine	None	110-91-8	3 - 7
2-Dimethylaminoethanol	None	108-01-0	1 - 5

Note: Specific chemical identities and/or exact percentages have been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

Eyes Contact: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. This corrosive material can cause immediate and permanent eye damage. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

Skin Contact: Wash with soap and water under a drench shower. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately.

Ingestion: Corrosive. Do not induce vomiting Seek medical attention immediately and provide the medical care provider with this SDS.

Most important symptoms/effects, acute and delayed: Causes severe skin burns and eye damage Causes serious eye damage.

Indication of immediate medical attention and special treatment needed: Consult a physician. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Unsuitable extinguishing media: No data available

Specific hazards arising from the chemical: Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide, Nitrogen containing gases, Calcium oxides, Sulfur oxides

Special protective equipment and precautions for fire-fighters: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section VIII of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in

quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods and materials for containment and cleaning up: Collect and discard in accordance with local, state and national regulation

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Ground and bond containers when transferring material. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Use spark-proof tools and explosion-proof equipment.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions: Store in a cool dry place. Isolate from incompatible materials. Store in tightly sealed original container. Store in a cool place in original container and protect from sunlight. Keep away from sources of ignition.

Materials to Avoid/Chemical Incompatibility: Strong oxidizing agents, Strong acids, Metals

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH
Morpholine	20 ppm TWA	20 ppm TWA	No data available	No data available

Appropriate engineering controls: Local exhaust ventilation, process enclosures, or other engineering controls are necessary when handling or using this product to avoid overexposure.

Individual protection measures, such as personal protective equipment:

Respiratory Protection: Respiratory protection must be used when handling this product. Use respirators only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. A supplied air type respirator may be required. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator.

Eye protection: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

Gloves Chemically resistant gloves

Other protective equipment:	Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.
General hygiene conditions:	Do not use pressure to empty container. Remove contaminated clothing and wash before reuse. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Ground and bond containers when transferring material. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Use spark-proof tools and explosion-proof equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Viscous Liquid
Color	Brown
Odor	Mild Petroleum Type
Odor Threshold	No data available
pH	9.9
Melting Point/freezing point, °C	No data available
Initial boiling point and boiling range, °C	No data available
Flash Point	>=395 °F(202 °C)
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Lower Flammable/Explosive Limit, % in air	No data available
Upper Flammable/Explosive Limit, % in air	No data available
Vapor Pressure	< 0.0003 mmHg @ 20°C
Vapor Density	No data available
Relative density	0.971
Solubility(ies)	Complete; 100%
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	50000 cP
Volatiles, % by weight	52
VOC, Material, lb/gal	0.74
VOC, Material, grams/liter	88.8
VOC minus exempt solvents & water, g/l	152

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not expected to be reactive.
Chemical stability:	Hazardous polymerization will not occur.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid (e.g., static discharge, shock, or vibration):	Temperatures above flash point in combination with sparks, open flames, or other sources of ignition. Elevated temperatures. Contamination.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

SECTION 11: TOXICOLOGICAL INFORMATION

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Absorption, Eye contact, Inhalation, Skin contact

Symptoms related to the physical, chemical and toxicological characteristics: Causes severe skin burns and eye damage. Causes serious eye damage.

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion Toxicity: Harmful if swallowed.

Skin Contact: Can cause severe irritation, defatting, and dermatitis. Irritation effects may last for hours or days but will not likely result in permanent damage.

Inhalation Toxicity: Can cause systemic damage. Likely to be practically non-toxic based on animal data.

Eye Contact: Corrosive to eye tissue. Can cause severe irritation, tearing, and burns that can quickly lead to permanent injury including blindness.

Sensitization: None known

Mutagenicity: No data

Reproductive and Developmental Toxicity: No data available

Carcinogenicity: There are no carcinogenic ingredients present at or over 0.1%.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Numerical measures of toxicity (such as acute toxicity estimates):

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-Dimethylaminoethanol	Oral LD50 Rat > 1180 mg/kg	Dermal LD50 Rabbit > 1100 mg/kg	Inhalation LC50 (4h) Rat > 6.09 mg/L

Is the hazardous chemical listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has it been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA?:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.			

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available): This material is not expected to be harmful to the ecology.

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Morpholine	110-91-8	LC50(24HR) WATER FLEA 100 mg/L	No data available	LC50(96 HR) BLUEGILL SUNFISH 350 mg/L
2-Dimethylaminoethanol	108-01-0	EC50(48 HR) WATER FLEA = 98 mg/L	LC50(72HR) ALGAE = 66 mg/L	LC50(96 HR) GOLDEN ORFE > 146.63 mg/L

Persistence and degradability: No data

Bioaccumulative potential: No data available

Mobility in soil:	No data available
Other adverse effects (such as hazardous to the ozone layer):	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:	Dispose of in accordance with Local and National regulations.
Waste codes / waste designations:	D001

SECTION 14: TRANSPORT INFORMATION

Domestic Ground in containers <=119 GL	Corrosion preventive/Non-Hazardous
Domestic Ground in containers >119 GL	Corrosion preventive/Non-Hazardous
Shipping name for Export, Air (IATA)	Corrosion preventive/Non-Hazardous
Shipping name for Export, Sea (IMDG)	Corrosion preventive/Non-Hazardous
Marine Pollutant?	No

SECTION 15: REGULATORY INFORMATION

Status of formula components on selected national regulatory inventories:

LIST	STATUS
TSCA	All components in this product are on the TSCA Inventory or exempt.
Canadian DSL	All chemical substances in this material are included on or exempted from listing on the Canadian DSL.

Chemical Name	CAS #	Regulation	Percent
Formaldehyde (gas)		Prop. 65 - Cancer	TRACE
Contains no components from California Prop. 65 - Developmental/Reproductive list		Prop. 65 - Developmental and/or Reproductive	
2-Dimethylaminoethanol	108-01-0	CERCLA	1-5 RQ = 100 lbs
No 313-listed chemicals in this product.	71-43-2	SARA 313	
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

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

Revision Date	:	04/12/2019
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.