

**SOLTEX SOLVENTS, LTD.**

**ThixoCal™ 4400**

Revised: October 12, 2007

**1. Identification of substance and company.**

**Trade name:** ThixoCal™ 4400

**Chemical name:** modified emulsified calcium sulfonate, overbased

**Company:** Soltex, Inc. (Synthetic Oils and Lubricants of Texas, Inc.)  
3707 FM 1960 West, Suite 560  
Houston, Texas 77068  
USA

**Phone number:** 281 587-0900 or 800 275-8580

**Emergency phone:** 800 424-9300 (CHEMTREC - in USA and Canada)

**2. Composition.**

Chemical	CAS RN
One or More Oil Soluble Calcium Sulfonates	Trade Secrets
Calcium Carbonate	471-34-1
One or More of the Following Petroleum Hydrocarbons	
Hydrotreated Distillate, Heavy Paraffin	64742-54-7
Hydrotreated Distillate, Light Paraffin	64742-55-8
Oxidized Polyethylene Homopolymer	68441-17-8
Calcium Salicylate	114959-46-5
Conjugated Linoleic Acids	Mixture, Not Applicable
Surfactant	Proprietary
Water	7732-18-5
Carboxy Modified Styrene Butadiene Polymer	52831-07-9
Metal Carboxylate-based Dryers	Proprietary

**3. Hazards Information.**

Hazardous Ingredients:

None

EU Risk phrases:

Symbols: None

R phrases: None

Canadian WHIMS:

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Not a "Hazardous Product" under WHIMS classifications.

HMIS and NFPA HAZARD INDEX

HMIS and NFPA RATINGS

Hazardous	4 - Severe	Health	0
Materials	3 - Serious	Flammability	1
Identification	2 - Moderate	Reactivity	0
System	1 - Slight		
	0 - Minimal		

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**4. First aid measures.**

**Immediate treatment:**

Eye contact:

May cause eye irritation. Flush with large amounts of water for at least 15 minutes. Call a physician.

Skin contact:

Wash skin thoroughly with soap and water after handling. Prolonged or repeated contact may cause dermatitis (skin irritation).

If hot material contacts skin, immediately cool before attempting removal. Cool with water or ice. Apply topical dressing. Severe blistered burns should be treated by a physician.

Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen and call a physician.

Ingestion:

No data available. Contact a physician.

NOTE TO PHYSICIANS

Routes of entry: Eyes, skin, ingestion, inhalation of mist.

Target organs: Eyes, skin, respiratory system.

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**5. Fire fighting measures.**

Special hazards or procedures:

This product poses no unusual fire fighting problems. Product will burn if involved in a fire. If impingement by flames is removed this product is self-extinguishing. Oxides of sulfur (SO<sub>2</sub>) will be given off while burning. Water spray is not a suitable extinguishing agent, it may cause fire to spread. See 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 breathing apparatus and protective clothing.

Extinguishing media:

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Dry chemical, water fog, CO<sub>2</sub>, foam, or sand/earth. Closed containers may be cooled with water.

**6. Accidental release measures.**

Procedures 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 according to regulatory requirements.

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**7. Handling and storage.**

Handling:

Keep drums tightly closed to prevent contamination. Avoid skin and eye contact. Wear recommended personal protection equipment. Discard or wash contaminated clothing before reuse.  
ATTENTION: Never use pressure to empty drums.

Storage:

Maximum storage temperature: 93 °C.

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**8. Exposure control/personal protection.**

Ventilation required:

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 protection:

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/m<sup>3</sup> (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 and/or a face shield. Contact lenses should not be worn.

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**9. Physical and chemical properties.**

Physical state at 25 °C:

Viscous liquid

Color:

Brown

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<u>Odor:</u>	Mild petroleum
<u>Changes in physical state at 1 bar:</u>	No data available/none expected
<u>Density at 16 °C (gm/cm<sup>3</sup>):</u>	> 1
<u>Vapor pressure at 20 °C (mm Hg):</u>	< 0.0003
<u>Vapor density (air = 1):</u>	Not applicable
<u>Viscosity at 40 °C (SUS):</u>	>100
<u>Solubility in H<sub>2</sub>O at 25 °C:</u>	Soluble in water
<u>pH (1%):</u>	No data available
<u>Flash point (ASTM D-93):</u>	> 180 °C
<u>Autoignition temperature:</u>	No data available
<u>Flammability limits in air:</u>	No data available
<u>Volatile ( by weight % ):</u>	<54%
<u>Freeze Point</u>	32° F

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**10. Stability and reactivity.**

This product is stable and not subject to hazardous polymerization.

Hazardous decomposition products:

Oxides of carbon (carbon monoxide carbon dioxide), oxides of hydrogen (water), oxides of sulfur (sulfur dioxide), and oxides of calcium are all formed from burning.

Incompatible materials:

Strong oxidizers such as hydrogen peroxide, oxidizing chlorine and bromine compounds (e.g. chlorine bleach), and chromic acid.

Conditions to avoid:

Oxidizing agents; skin and eye contact.

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**11. Toxicological information.**

Acute toxicity:

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May cause eye and skin irritation. The handling procedures and safety precautions in this MSDS should be followed to minimize employee exposure.

Chronic toxicity:  
No data available.

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**12. Ecological information.**

No data available.

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**13. Disposal considerations.**

Not a hazardous waste if disposed of as is, by the definitions of the U.S. EPA. Dispose of properly complying with appropriate laws and regulations.

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**14. Transportation information.**

Not regulated for transport by the DOT

Proper shipping Name: ThixoCal™4400

Hazard Class: Not Applicable

ID Number: Not Applicable

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**15. Regulatory information.**

EU labeling:

Symbols:	none	
R phrases:	none	
S phrases:	36/37/39	'wear suitable clothing protective /wear suitable gloves/wear eye/face protection'
	24/25	'avoid contact with skin/ avoid contact with eyes'
	26	'in case contact of with eyes rinse with plenty of water and seek medical advice'
	28 (soap and water)	'after contact with skin, wash immediately with plenty of "soap and water"'

Canadian WHIMS:

Not a "Hazardous Product" under WHIMS classifications.



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Chemical Inventory Information:

All the components of this product are listed in the following chemical inventories: TSCA (United States) EINECS (European Union), ENCS (Japan), AICS (Australia), DSL (Canada), and ECL (Korea).

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**16. Other information.**

Comments: This product has not been tested in long term, chronic exposure, therefore, the handling procedures and safety precautions in the MSDS 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.

EMERGENCY FIRST AID PROCEDURES

Eye contact: Flush with large amounts of water for at least 15 minutes. Call a physician.

Skin contact: Wash skin thoroughly with soap and water after handling.

If hot material contacts skin, immediately cool before attempting removal. Cool with water or ice. Apply topical dressing. Severe blistered burns should be treated by a physician.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen and call a physician.

Ingestion: Call a physician. Induce vomiting if victim is conscious. Never give anything by mouth to an unconscious person.

FOR INDUSTRIAL USE ONLY. SEE SAFETY DATA SHEET FOR DETAILED INFORMATION.

ATTENTION: Never use pressure to empty container, a drum is not a pressure vessel. When empty, drum may have vapor or product residue. Do not puncture, drill, grind, or weld on this container.

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