

# MATERIAL SAFETY DATA SHEET

TECHNICAL INDUSTRIAL SALES  
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## SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product Code:</b>	<b>TIS-011 SC</b>	<b>HMIS RATING</b>
<b>Product Description:</b>	<b>Soy Cleaner</b>	<b>Health: 1</b>
<b>Date Prepared:</b>	<b>July 9, 2003</b>	<b>Fire: 1</b>
<b>Product Class:</b>	<b>Not Regulated</b>	<b>Reactivity: 0</b>
<b>Date Updated:</b>	<b>April 9, 2007</b>	<b>PPE: B</b>

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS#	%	SARA TITLE III	PEL	TLV
This product does not contain ingredients currently regulated by OSHA or Listed in the 2006 American Conference of Industrial Hygienists Handbook of TLV's and BEI's.					

This product is considered non-hazardous under normal storage and use conditions  
See Section 8 for additional exposure information.  
Components listed as a suspected carcinogen: None

## SECTION 3. HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Effects of Overexposure:

Primary Routes of Entry: Ingestion, Inhalation, Skin and Eye Contact.

ACUTE:

EYE CONTACT: Direct contact with liquid may cause irritation.

SKIN: Repeated or prolonged skin contact with liquid may cause irritation.

INHALATION: Inhalation of mists or vapors may cause irritation to respiratory system.

INGESTION: Not expected to be harmful under normal use.

CHRONIC:

Prolonged or repeated contact may result in defatting of skin with potential dermatitis. Persons with pre-existing skin disorders may be more susceptible to the effects of the contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None reported.

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### SECTION 4. FIRST AID MEASURES

Emergency and First Aid Procedures.

IF IN EYES: Immediately flush with large quantities of clean water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

IF ON SKIN: Rinse exposed area with clean water for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

IF SWALLOWED: **DO NOT INDUCE VOMITING.** If conscious, immediately drink two glasses of water. Never give anything orally to an unconscious or convulsing person. Get prompt medical attention.

IF BREATHED: Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Get prompt medical attention.

### SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT (PMCC): > 400 Deg F.

FLAMMABLE LIMITS IN AIR: Not Determined.

EXTINGUISHING MEDIA: Dry Chemical, carbon dioxide, foam, or water fog. Class BC or ABC fire extinguisher.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: CO and/or CO<sub>2</sub>.

### SECTION 6. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Use required personal protective equipment when entering spill area. Avoid entering spill area, spilled material may be extremely slippery. Product is completely biodegradable.

SMALL SPILL: Release of small amounts to sanitary sewer is inherent with normal end use. Use appropriate absorbent material to absorb residual material and transfer absorbed material to containers for disposal.

LARGE SPILL: Stop spill at source using dam, dike or divert techniques to prevent spill from spreading. Salvage any free product for reuse, if possible. Use absorbent to absorb any residual material. Transfer into container for disposal in Class D landfill pending approval. Follow up with water flush.

### SECTION 7. HANDLING AND STORAGE

Preferred storage is between 40 and 100 deg. F. Keep Container closed when not in use. Never use pressure to empty. Use with adequate ventilation. Prevent from freezing. If container is to be returned or recycled, make sure container is drip dry. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues, (vapor, liquid, and/or solids) all precautions given in this data sheet should be observed.

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**SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION EQUIPMENT**

Occupational Exposure Limits:

ACGIH TLV TLV(C) STEL OSHA STEL PEL

Ingredients not regulated. Suggest 10 mg/m<sup>3</sup> as a nuisance mist or spray.

RESPIRATORY PROTECTION: None normally required under normal use. If TLV of product or any component is exceeded, used an approved NIOSH/MSHA respirator. Good Hygiene controls should be implemented to control exposures.

VENTILATION Provide sufficient general and/or local exhaust to maintain exposure below the TLV(s).

PROTECTIVE GLOVES: Use Neoprene or Buna-N rubber gloves.

EYE PROTECTION: Chemical splash goggles recommended.

OTHER PROTECTIVE EQUIPMENT: None normally needed.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: Approx. >400 deg. F

Vapor Pressure: Not Available

Vapor Density: Not Available

Specific Gravity: 0.90

Percent Volatiles: Approx. 5-7% by vol.

Evaporation Rate: Not determined for product

Appearance and odor: Straw Yellow, Mild Vegetable Oil odor.

pH: Not Applicable

Solubility: Forms milky emulsion and is dispersible with water.

**SECTION 10. STABILITY AND REACTIVITY**

STABILITY: Product is stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: None Known

CONDITIONS TO AVOID: None Known

**SECTION 11. TOXICOLOGICAL INFORMATION**

Substance	Specie	LD50
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Not Available for Product.

CARCINOGENICITY: The NTP, IARC, or OSHA does not consider this product or its components carcinogenic.

**SECTION 12. ECOLOGICAL INFORMATION**

The vegetable oil used in this product is similar to ones that were subject to biodegradability testing in accordance with ASTM Method E 1720-95. The method classifies a test material as readily biodegradable if it produces 60% or higher of carbon dioxide generated in comparison with glucose during the 28-day test period. The subject vegetable oil ester showed 65% biodegradability in 28 days.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

EPA HAZARDOUS WASTE CODE: NONE

Product must be disposed of properly under Federal and State regulations for industrial wastes. Recommended disposal is incineration or Disposal in a Class D landfill of absorbed wastes pending approval. As delivered, this product when spilled, released or disposed of, is a non-hazardous waste as defined in RCRA regulations 40 CFR Part 261.

**SECTION 14. TRANSPORTATION INFORMATION**

DOT PROPER SHIPPING NAME: TIS-011 SC Soy Cleaner  
DOT HAZARD CLASS: None  
DOT IDENTIFICATION NO. None  
DOT PACKING GROUP: None  
DOT RQ FOR PRODUCT: NA  
DOT MARINE POLLUTANT: NA  
EMERGENCY RESPONSE GUIDE NUMBER: None

**CANADIAN TDG/WHMIS REGULATIONS:**

TDG NAME: TIS-011 SC Soy Cleaner  
TDG CLASS: None  
PIN NUMBER: None  
WHMIS: D 2 B

**SECTION 15. REGULATORY INFORMATION**

TSCA: The ingredients of this product are on the TSCA inventory.

**SARA TITLE III HAZARD CATEGORIES**

SECTION 311: ACUTE: YES CHRONIC: NO  
SECTION 313: NONE  
FIRE HAZARD: NO  
REACTIVE HAZARD: NO  
SUDDEN RELEASE OF PRESSURE: NO

PROPOSITION 65: NONE

**STATES RIGHT TO KNOW**

MASSACHUSETTS: NONE  
PENNSYLVANIA: NONE

CALIFORNIA SCAQMD: NONE

EEC Classification: Irritant

This product, as delivered, is not regulated as a hazardous substance.

**SECTION 16. OTHER INFORMATION**

**PLEASE NOTE! Use only as directed. Do not mix with other chemicals unless advised by supplier.**