

SOY ENVIRONMENTAL PRODUCTS, INC.
Material Safety Data Sheet

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MSDS REFERENCE - M.E.S. - 10/31/94

4/17/97 - SUPERSEDES ANY EARLIER MSDS INFORMATION

SECTION I - IDENTIFICATION

PRODUCT: Soyclean® adhesive & mastic remover liquid and aerosol formulations.
CHEMICALS: Mixture. The precise composition of this product is proprietary information. A more complete disclosure will be provided to a physician in the event of a medical emergency.
SARA HAZARD: None noted (section 311/312) Title III section 313-not listed

SECTION II - HAZARDOUS INGREDIENTS

None as defined under the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) or the Canadian Hazardous Products Act S.C. 1987, C30 (Part I).

SECTION III - PHYSICAL DATA

<u>% VOC:</u>	Less than 5.00% (method 24)
<u>BOILING POINT:</u>	Over 345 Deg F at 760 mm HG pressure
<u>FREEZING POINT:</u>	Approximately 11 to 30 Deg F
<u>REID VAPOR PRESSURE:</u>	.5 PSIG at 100 C
<u>SPECIFIC GRAVITY:</u>	Approximately .87 to 1.03 at 77 Deg F
<u>SOLUBILITY IN WATER:</u>	Negligible at room temperature
<u>APPEARANCE AND COLOR:</u>	Liquid at room temperature
<u>APPEARANCE AND ODOR:</u>	Pale yellow to light brown, viscous liquid, gel or paste, slight amine-like odor.

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SECTION IV - FIRE AND EXPLOSION HAZARDS

<u>FLASH POINT & METHOD USED:</u>	205 Deg F COC
<u>FLAMMABLE LIMITS IN AIR % BY VOL. LOWER:</u>	Approximately 1.3
<u>FLAMMABLE LIMITS IN AIR, BY VOL. UPPER:</u>	Approximately 9 (based on NMP)
<u>NFPA RATING:</u>	No NFPA rating
<u>HMIS RATING:</u>	Health (1), Fire (1), Reactivity (0), Specific (None)

IN AEROSOL CAN: As with all aerosol formulations, contents are under pressure and are **EXTREMELY FLAMMABLE** Keep away from all heat sources and other sources of ignition

SPECIAL FIRE FIGHTING PROCEDURES & PRECAUTIONS:

Do not enter fire area without proper protection. Heat may build up enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Use water spray for cooling. Avoid frothing/steam explosion. Burning liquid may float on water. Although water soluble, it may not be practical to extinguish fire by water dilution.

UNUSUAL FIRE & EXPLOSION HAZARDS:

When heated above the flash point, releases flammable vapors. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapor source. Rags or clothing soaked with the formulation may undergo spontaneous combustion if not handled properly.

EXTINGUISHING MEDIA:

Carbon Dioxide/Dry Chemical/Foam/Water Spray

SECTION V - HEALTH HAZARD DATA

<u>INHALATION:</u>	Slight inhalation hazard
<u>ACUTE ORAL TOXICITY:</u>	Slight ingestion hazard
<u>EYE CONTACT:</u>	Severe eye irritant
<u>SKIN CONTACT:</u>	Slight skin absorption hazard. Moderate skin irritant

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SECTION V - HEALTH HAZARD DATA - CONT.

CHRONIC HEALTH EFFECTS:

NMP has been shown to cause reproductive and fetotoxic effects in laboratory animals at high doses. No adverse health effects are expected from normal use of this product when used with the appropriate personal protective equipment. Prolonged or repeated contact may produce skin irritation.

EMERGENCY FIRST AID PROCEDURE:

FOR OVEREXPOSURE BY SWALLOWING:

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth: place individual on the left side with the head down. Contact a physician, medical facility or poison control center for advise about whether to induce vomiting. If possible, do not leave individual unattended.

FOR OVEREXPOSURE BY SKIN CONTACT:

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

FOR OVEREXPOSURE BY EYE CONTACT:

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart: seek immediate medical attention.

FOR OVEREXPOSURE BY INHALATION:

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet: seek immediate medical attention.

NOTE TO PHYSICIANS:

This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), kidney.

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SECTION VI - REACTIVITY

<u>STABILITY:</u>	Generally stable
<u>HAZARDOUS POLYMERIZATION:</u>	None likely
<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u>	Decomposition may produce carbon monoxide and carbon dioxide.
<u>CONDITIONS TO AVOID:</u>	Heat, sparks open flame and other ignition sources.
<u>MATERIALS TO AVOID:</u>	Strong oxidizing agents/strong reducing agents/strong acids/strong alkalis/strong bases/strong mineral acids.
<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u>	Decomposition may produce oxides of carbon, nitrogen and various other hydrocarbons.

SECTION VII - SPILL, LEAK, AND WASTE DISPOSAL PROCEDURES

<u>ENVIRONMENTAL PRECAUTIONS:</u>	Avoid uncontrolled releases of this material. where spills are possible, a comprehensive plan should be developed and implemented. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities, as required.
<u>SPILL OR LEAK PROTECTION:</u>	Wear appropriate respiratory protection and protective clothing as described in section VIII. Contain spilled materials and transfer to secure containers. where necessary, collect using absorbent media. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.
<u>WASTE DISPOSAL:</u>	All recovered material should be packaged, labeled, transported, and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

CONTROL MEASURES: Handle in the presence of adequate ventilation.

RESPIRATORY PROTECTION: Recommended exposure limits (i.e. OSHA-PEL and ACGIH-TLV) have not been established for this material. Whether there is a need for respiratory protection under your conditions of handling of this material should be evaluated by a qualified health specialist.

PROTECTION CLOTHING: No need anticipated.

EYE PROTECTION: Wear safety glasses meeting the OSHA specifications.

DEPARTMENT OF TRANSPORTATION/DOT CLASSIFICATION/DOT PROPER SHIPPING NAME/OTHER DOT INFORMATION: Not Regulated

OTHER REGULATORY REQUIREMENTS: LISTED IN TSCA INVENTORY

Handle empty containers with care, since emptied containers retain product residues, all hazard precautions given in the data sheet must be observed. Keep container tightly closed when not in use. Store away from heat, sparks, open flame, strong oxidizing agents and direct sunlight. Keep out of reach of children.

DECONTAMINATION PROCEDURE:

Isolate, vent, drain, wash and purge systems of equipment before maintenance or repair. Wear recommended personal protective equipment. Observe precautions pertaining to confined space entry.

MANUFACTURER'S STATEMENT:

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts, however, nothing contained in this information is to be taken as a warranty or representation for which Soy Environmental Products, Inc. bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

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