

American Soil Technologies, Inc.
12224 Montague Street
Pacoima, CA 91331
818-899-4686

MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:
EXTEND™

I. GENERAL INFORMATION / IDENTITY INFORMATION

PRODUCT/TRADE NAME: EXTEND
EPA REGISTRATION #: NONE
NAMES & SYNONYMS:
55% Sodium Acrylate/Acrylamide Copolymer
FORMULA: Proprietary
CAS No.: Proprietary
HAZARDOUS CLASSIFICATION: Not Hazardous
MOTOR FREIGHT CLASS: Not DOT Regulated
ITEM NUMBER: N/A
BILL OF LADING DESCRIPTION: Adhesive, Adjuvants,
Spreaders or Stickers

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	TLV
Polymer	25085-02-3	NE	NE

III. PHYSICAL DATA

SPECIFIC GRAVITY (H₂O=1): 1.1
MELTING POINT: N/A
VAPOR DENSITY (AIR = 1): N/E
% VOLATILES BY VOL.: N/E
ODOR: Aliphatic
APPEARANCE: Opaque liquid
FLASH POINT: > 100 degrees C
AUTOIGNITION TEMPERATURE: > 200 degrees C
VAPOR PRESSURE (mmHg): 0.002 @ 20 degrees C
SOLUBILITY IN H₂O: Soluble
EVAPORATION RATE (BUTYL ACETATE = 1): Less than 1
BULK DENSITY: 1.1

IV. FIRE & EXPLOSION HAZARD

FLASH POINT (METHOD): > 100 degrees C
AUTOIGNITION TEMPERATURE: > 200 degrees C
FLAMMABLE LIMITS: LEL N/E, UEL N/E
EXTINGUISHING MEDIA: Water, water spray, foam, dry powder,
carbon dioxide (CO₂).
UNUSUAL FIRE AND EXPLOSION HAZARDS: None
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters exercise
caution. Spilled product in contact with water creates extremely
slippery conditions. No special protective equipment required.
Prevent runoff of firewater. Avoid exposure to smoke.

V. CARCINOGEN STATUS

The following statement is made in order to comply with the
California Safe Drinking Water and Toxic Enforcement Act of 1986:
this product contains a chemical(s) known to the State of California
to cause cancer: acrylamide. No Listing

VI. REACTIVITY

STABILITY: Stable at temperatures above 40 degrees F. Do not
allow product to freeze.
CONDITIONS TO AVOID: Temperatures below 40 degrees F.
MATERIAL TO AVOID: Oxidizing agents may cause exothermic
reactions.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal
composition may product: carbon oxides, nitrogen oxides (NO_x)

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Dike the area using
absorbent or materials such as sand or clay. Recover and contain
as much product as possible using absorbent. Collect and store in
suitable and closed containers for disposal. After cleaning, flush
away traces with water. Prevent the spilled product or washings
from reaching public sewers or waterways. Wear appropriate
protective equipment during the cleanup. Ensure that tools and
equipment are adequately decontaminated.
DISPOSAL: Dispose of in accordance with Federal, State and
local regulations.

VIII. HEALTH PRECAUTION/TOXICOLOGICAL DATA

ACUTE ORAL LD50 (Rat): 5000 mg/kg
ACUTE Dermal LD50 (Rabbit): The product is not expected to
be toxic in contact with the skin.
ACUTE INHALATION: The product is not expected to be toxic
by inhalation
EYE IRRITATION (Rabbit): Not Determined
DERMAL IRRITATION (Rabbit): Not Determined
DERMAL SENSITIZATION: Not Determined
ACGIH (TLV)/OSHA (TWA): Not Determined
NOT LISTED AS A CARCINOGEN BY NRC, IARC, OR OSHA
SIGNS OF EXPOSURE: Swelling of affected area with possible
itching burning or other discomfort
PRIMARY ROUTES OF ENTRY: Ingestion
SWALLOWING: This product is not expected to be toxic based
on studies on laboratory animals.
INHALATION: Can irritate the membrane of the respiratory tract
if inhaled. Move to fresh air.
EYES: Irritating to eyes
EXISTING MEDICAL CONDITIONS POSSIBLY AGGRAVATED
BY EXPOSURE: Skin contact may aggravate preexisting skin
conditions. Inhalation of mists may aggravate preexisting
respiratory conditions. Prolonged skin contact may defat the
skin and produce dermatitis.

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING: The product is not considered toxic based on
studies on laboratory animals.

Skin: Wash affected area with plenty of soap and water. In case
of persistent eye irritation, consult a physician.

Inhalation: Remove victim to fresh air.

EYES: Hold eyelids open and flush with a steady stream of
water for at least 15 minutes. In case of persistent eye irritation,
consult a physician.

IX. SPECIAL PROTECTION INFORMATION:

Respiratory Protection: Wear a properly fitted NIOSH/MSHA
approved respirator for organic vapors.

VENTILATION: Local exhaust.

PROTECTIVE CLOTHING: Chemical resistant gloves,
coveralls, apron, and foot coverings.

EYE PROTECTION: Tight fitting goggles are recommended.

X. SPECIAL PRECAUTIONS:

Keep out of reach of children.
Read and follow all label instruction. Use caution, spilled
material in contact with water may create very slippery
conditions.

XI. REGULATORY STATUS:

SARA TITLE III
Section 302-304 (40 CFR 350):
Extremely Hazardous Substance (EHS): N/A
SARA Section 313 Reportable Toxic Chemicals: None

DATE PREPARED: 3/16/2003
REVISED DATE: 3/16/2003

The information provided in this Material Safety Data Sheet has
been compiled from our experience and data presented in
various technical publications. It is the users responsibility to
determine the reliability of this information for the adoption of
safety precautions as may be necessary. We reserve the right to
revise Material Safety Data Sheets from time to time as new
technical information becomes available. The information
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