



AMERICAN PRODUCTS, INC.

P.O. Box 7455 Port St. Lucie, Florida 34985

Toll Free Phone: 1-800-340-3866 • Toll Free Fax: 877-398-9840

web site: americanproducts1.com

THE ALTERNATIVE

100% NATURAL DEGREASER

DESCRIPTION

A 100% active, all natural blend of organic compounds formulated from solvents squeezed from citrus products. Alternative is a cleaner, degreaser, and deodorant which safely cleans away grease and slime while eliminating unpleasant odors. Its powerful formula quickly cuts through built-up grease and oil, removes tar and gum, controls slime and odor. Non-corrosive, non-toxic, there is no safer product available. Contains no harmful acids, caustics, or petroleum solvents. Guaranteed safe on all metals, pipes, and fixtures. Will not harm septic tank action or generate any heat. Emulsifies instantly in water at ambient temperature to penetrate and liquefy many different types of resins and greases. Biodegradable. **NOTE:** Alternative is a concentrated organic formula that may be harmful to plastics or paint surfaces. Always test surface in an inconspicuous area before using.

USES

It's lingering, fresh natural citrus scent provides a multiplicity of additional applications. It removes oily films from metal surfaces, unclogs drains and grease traps, removes tar, asphalt and bitumen from most hard surfaces.

USED FOR:

Drains	Asphalt Plants	Septic Tanks
Sewer Lines	Chemical Plants	Service Stations
Garbage Trucks	Manufacturing Plants	Grease Traps
Heavy Equipment	Commercial Trash	Garbage Cans
Heavy Machinery	Compactors	Auto-Plants
Vehicle Shops	Cess Pools	Paper Mills
Power Plants	Sludge Beds	
Oil Refineries	Wet Wells	

BENEFITS

Cleans, Degreases and Deodorizes • All Natural Organic Compounds • Powerful Formula Generates No Heat • Cuts Quickly Through Built-Up Grease • Safe On All Metal Pipes • Controls Slime and Odor • Excellent Solvency • High Dielectric Strength • No Ventilation Required • No Toxic Solvents • No Fumes • No Petroleum Distillates • No Chlorinated Solvents • No Acids of Caustic Chemicals • Will Not Harm Septic Tank Action.

TECHNICAL DATA

Appearance	Liquid
Odor	Citrus
pH	Non-Aqueous
Specific Gravity852
Chlorinated Solvents	None
Petroleum Distillates	None
Dielectric Strength	>20,000
Metal Corrosion	Safe On All Metals

Non-Corrosive • Non-Acid • Non-Caustic

"Helping the Environment"



MATERIAL SAFETY DATA SHEET

HAZARD RATING:

4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT

FIRE	REACTIVE	TOXICITY	SPECIAL
1	0	2	0

Synonyms: Hemo-sol; (R)-1-methyl-4-(1-methylethenyl) cyclohexene; (R)-(+)-Limonene; (+)-4-isopropenyl-1-methylcyclohexene; (+)-r-limonene; D-p-mentha-1,8-diene; p-mentha-1,8-diene; (+)-limonene; (+)-carvene; citrene; D-1, 8-p-Menthadiene; (+)-(4R)-limonene; (+)-1, 8-para-Menthadiene; (+)-Limonene, stabilized with 0.03% tocopherol; d-Limonene; D-1, 8-p-Menthadiene

VOC Free-No Volatile Organic Compounds.
100% Biodegradable.
Flash point above 140°

SECTION 1 - PRODUCT INFORMATION
AMERICAN PRODUCTS, INC.

Date: August 1, 1995

P.O. BOX 7455, PORT ST. LUCIE, FL 34985

Telephone No.: 800-340-3866

Emergency No. 1-800-255-3924

THE ALTERNATIVE - Emulsifiable Solvent Degreaser

Product Type: Water-Soluble Degreaser

Chemical Family: Terpene Hydrocarbons

Formula: N/A

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME/COMMON NAME	CAS NO.	PERCENT (optional)	TLV (source)
Terpene Hydrocarbon	5989-27-5	>1%	Not Established
Trade Secret [per OSHA Hazard	N/A	to 100	
Communication Standard 1910.1200 (f)]			

SECTION 3 - PHYSICAL DATA

Boiling Point:	206.56° F	Specific Gravity (H ₂ O=1.0):	0.9337 @25C	pH: N/A
Vapor Pressure (mmHg):	19.1mm @ 20° F	Vapor Density (Air=1):	>4.1	
Solubility in Water: Not Determined				
Evaporation Rate (vs. H ₂ O): Slow				
Appearance and Odor: Slightly hazy orange liquid with citrus odor.				

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 141° F. SFCC	None to Boiling	Flammable Limits: Not Determined	Upper:	Lower:
Extinguishing Media: Foam, CO ₂ , Dry Chemical, Water Fog				
Special Fire Fighting Procedures: Contain fire water run-off if possible. May cause environmental damage.				
Unusual Fire and Explosion Hazards: Under fire conditions, some components of this product may decompose. Smoke may contain unidentified toxic or irritating compounds. Hazardous combustion products may include and are not limited to: dioxide and carbon monoxide.				

SECTION 5 - REACTIVE DATA

Stability: Stable	Incompatibility: Avoid strong oxidizing agents		
Hazardous Decomposition Products: Refer to Section 4 for hazardous combustion products.			
Threshold Limit Value-Product (see section 2 for ingredient TLV)	X None Established	Not Applicable	Source
Signs and Symptoms of Over-exposure (Acute): Harmful if swallowed. May cause eye damage. Can cause skin irritation. FEMA-GRAS: RIFM lists acute oral LD50 (rat) >5 g./kg; acute dermal LD50 (rat) >5 g/kg. Irritation-mildly irritating-none in 10% petrolatum. Sensitization-none in 10% petrolatum.			
Signs and Symptoms of Over-exposure (Chronic): Unknown			
Medical Conditions Aggravated By Over-Exposure: Unknown			

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.	
Skin: Wash off in flowing water or shower.	
Ingestion: If ingested, do not induce vomiting. Get medical attention immediately.	
Inhalation: Remove to fresh air.	

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not normally required, but if vapor concentration becomes high, use self-contained air mask.			
Ventilation Requirements:	X Local Exhaust	Mechanical	Other
Protective Gloves: Chemical resistant gloves.		Eye Protection: Chemical splash goggles or face shield	
Other Protective Clothing: None			

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled: Small spills should be absorbed by dirt, sand or other suitable absorbents for disposal. Large spills can be diked with dirt, then pumped to tank truck for disposal.
Waste Disposal Methods: Dispose in landfill approved for same, away from water supplies. Burning is an alternate method. Observe Local, State and Federal regs.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage: Combustible Liquid. Keep away from heat, sparks and open flame. Keep container closed during storage. Keep out of reach of children. For industrial or institutional use only.
