



# TWIN CHEMICALS, INC.

## Specifications:

## Citrus Plus Mastic Remover 5 gallon Pail and 55 Gallon Drum

Appearance:	Clear
Odor:	Slightly Citrus
Boiling Point:	>300°F
Vapor Density:	>1
pH:	Neutral
Flash Point:	>161° F (TCC)
DOT Shipping Class:	55
Shipping Weight:	5 gal. pail 35 lbs. 55 gal. drum 386 lbs.
Specific Gravity:	.84
Solubility:	Negligible
Coverage Rate:	Up to 225 sq. ft.
Reactivity:	Stable
HMIS Rating:	1-2-0
Shelf Life:	None

DOT Shipping Name: Not DOT Regulated  
On containers less than 120 gallons

**Twin-Chemicals**  
**Atlanta, Georgia**

**(800) 442-4958**  
**(770) 924-6147 fax**

[www.twin-chemicals.com](http://www.twin-chemicals.com)



Citrus Plus is a powerful low odor mastic remover with a hint of citrus. It is formulated to give you the high square foot coverage expected from a high performance product but will emulsify in water for easy clean up. The slight and pleasing citrus odor coupled with the high performance makes Citrus Plus an easy choice for your every-day mastic remover needs.

### Directions:

1. Read and understand material safety data sheet when using this product.
2. Cover and dike walls, woodwork, drains and cracks.
3. Apply Citrus Plus over all black mastic and adhesives. This may be done manually or with garden sprayer to 5' x 5' square areas.
4. Use a stiff bristled broom to agitate over the area. More than one application may be necessary.
5. Allow Citrus Plus to penetrate and soften the adhesive for 10-20 minutes.
6. After the mastic is dissolved use a squeegee to clean up liquefied mastic and dispose of properly. The use of absorbents may aid in this process.
7. Aggressively clean surface with water and **Pronto Extra Wetter wetting agent** detergent and allow to dry a minimum of 24-36 hours before applying new mastic and new flooring.



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MATERIAL SAFETY DATA SHEET  
CITRUS PLUS

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MEETS REQUIREMENTS UNDER 29 CFR 1910.1200

**PRODUCT IDENTIFICATION**

TRADE NAME: **CITRUS PLUS MASTIC REMOVER**  
MANUFACTURER: TWIN-CHEM, INC.  
6175 Hickory Flat Hwy. Suite 110-344  
Canton, GA 30115  
CUSTOMER SERVICE PHONE: (800) 442-4958  
EMERGENCY PHONE: (800) 552-3787  
PREPARED BY: CLIFFORD CANTRELL  
DATE PREPARED: MARCH 25, 2003

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**COMPONENTS AND HAZARD CLASSIFICATIONS**

d-p-MENTHA-1, 8-DIENE	CAS# 5989-27-5	COMBUSTIBLE LIQUID
PETROLEUM DISTILLATE	CAS# 8003-30-0	COMBUSTIBLE LIQUID

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**PHYSICAL DATA**

BOILING POINT:	300 F
VAPOR PRESSURE:	7
VAPOR DENSITY (AIR=1):	> 1
SPECIFIC GRAVITY (WATER=1):	0.84
MELTING POINT:	< 0 F
EVAPORATION RATE (WATER=1):	< 1.0
SOLUBILITY IN WATER:	NEGLIGABLE
APPEARANCE AND ODOR:	CLEAR LIQUID WITH PLEASANT ORANGE ODOR

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**FIRE AND EXPLOSION DATA**

FLASH POINT: 161<sup>0</sup> F (TCC)  
FLAMMABLE LIMITS: NOT DETERMINED  
EXTINGUISHING MEDIA: WATER FOG CARBON DIOXIDE, DRY CHEMICAL, AND HALON  
SPECIAL FIRE FIGHTING PROCEDURES: WEAR FULL PROTECTIVE CLOTHING AND SELF  
CONTAINED BREATHING APPARATUS.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: EMPTY AND PARTIALLY FILLED CONTAINER  
MAY EXPLODE WHEN EXPOSED TO FIRE CONDITIONS.

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**REACTIVITY DATA**

STABILITY: STABLE  
INCOMPATIBILITY (MATERIALS TO AVOID) DO NOT MIX WITH OTHER CHEMICALS  
HAZARDOUS DECOMPOSITION OR BYPRODUCT: HEAT, VARIOUS UNIDENTIFIED ORGANIC  
COMPOUNDS.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

MATERIAL SAFETY DATA SHEET  
CITRUS PLUS MASTIC REMOVER

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MEETS REQUIREMENTS UNDER 29 CFR 1910.1200

**HEALTH HAZARD DATA**

ROUTE (S) OF ENTRY: INHALATION? YES SKIN? YES EYES? YES INGESTION? YES

HEALTH HAZARDS (ACUTE AND CHRONIC): NONE KNOWN

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

**SIGNS AND SYSTEMS OF EXPOSURE:**

INHALATION: PROLONGED OR EXCESSIVE EXPOSURE MAY RESULT IN IRRITATION OF RESPIRATORY SYSTEM WITH POSSIBLE DIFFICULTY IN BREATHING.

INGESTION: SMALL AMOUNTS MAY CAUSE EXTREME GASTRIC PAIN, DIARRHEA, AND VOMITING.

SKIN CONTACT: PROLONGED CONTACT MAY CAUSE IRRITATION TO SENSITIVE INDIVIDUALS.

EYES CONTACT: CONTACT MAY CAUSE MINOR IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: UNKNOWN

**EMERGENCY AND FIRST AID PROCEDURES:**

INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

NOTE TO TREATING PHYSICIAN: SOLVENTS MAY BE ASPIRED INTO LUNGS.

INHALATION: MOVE VICTIM TO FRESH AIR. IF NECESSARY, SUPPORT BREATHING.

IF BREATHING DOES NOT RETURN TO NORMAL WITH A FEW MINUTES, GET MEDICAL ATTENTION.

EYE CONTACT: IMMEDIATELY FLUSH EYES FOR AT LEAST 15 MINUTES WITH LARGE AMOUNTS OF GENTLE, FLOWING WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

SKIN CONTACT: FLUSH SKIN WITH WATER AND THEN WASH WITH SOAP AND WATER.

**EXPOSURE LIMITS**

	OSHA PEL	ACGIH TLV	MAX%/W
d-p-MENTHA-1, 8-DIENE CAS# 5989-27-5		NONE ESTABLISHED	
PETROLEUM DISTILLATE CAS# 8003-30-0	525MG/M <sup>3</sup>	525MG/M <sup>3</sup>	

NOTE: DOES NOT CONTAIN ANY SARA TITLE III, SECTION 313 MATERIAL

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**PRECAUTIONS FOR SAFE HANDLING, SPILL, AND DISPOSAL**

SPILLS: EXTINGUISH ALL SOURCES OF IGNITION

DIKE AREA AND ABSORB ON AN INERT ABSORBENT (SAND, EARTH, CLAY)

PLACE IN CHEMICAL CONTAINER FOR DISPOSAL

WASTE DISPOSAL: CONTAMINATED PRODUCT MEET RCRA DEFINITION

OF HAZARDOUS (FLAMMABLE) WASTE. CHECK LOCAL DISPOSAL REGULATIONS.

HANDLING AND STORAGE: KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE

WARNING! EMPTIED CONTAINER CONTAINS PRODUCT RESIDUE AND VAPORS. OBSERVE

ALL PRECAUTIONS EVEN AFTER IS EMPTIED. WASHING A CONTAINER WILL NOT MAKE

IT SAFE FOR FOOD OR COSMETIC STORAGE.

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**TRANSPORTATION-D.O.T. 49 CFR 172.102**

D.O.T. SHIPPING NAME: COMBUSTIBLE LIQUID, NOS

(d-p-MENTHA-1, 8-DIENE, PETROLEUM DISTILLATE MIXTURE)

COMBUSTIBLE LIQUID, NA1993, PG III

MATERIAL SAFETY DATA SHEET  
CITRUS PLUS MASTIC REMOVER

MEETS REQUIREMENTS UNDER 29 CFR 1910-1200

**SPECIAL PROTECTION AND CONTROL MEASURES**

RESPIRATORY PROTECTION: FOR USE IN ENCLOSED AREAS USE RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE CCR-OV.

VENTILATION: MECHANICAL WHEN USED IN ENCLOSED AREAS.

PROTECTIVE GLOVES: RUBBER OR NEOPRENE

EYE PROTECTION: CHEMICAL GOGGLES

**REPORTING REQUIREMENTS**

SARA TITLE III

SECTION 302-EXTREMELY HAZARDOUS SUBSTANCE.... NOT REQUIRED

SECTION 304-HAZARDOUS RELEASES.....NOT REQUIRED

SECTION 311-COMMUNITY RIGHT TO KNOW (R-T-K)...REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.

SECTION 312-R-T-K INVENTORY DATA.....REPORTING REQUIRED FOR INVENTORY ABOVE TPQ.

SECTION 313-EMISSIONS AND RELEASE.....REPORTING MAY BE REQUIRED

CERCLA.....SAME AS 304

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE SO. USERS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT INFORMATION IS CURRENT, APPLICABLE AND SUITED TO THE CIRCUMSTANCES OF USE. VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. FURTHERMORE, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY CAUSED BY ABNORMAL USE OF THIS MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES IS FOLLOWED.