

COMPANY IDENTITY: VALLEY SOLVENTS  
PRODUCT IDENTITY: VSC-841 CITRUS NAPHTHA

DATE: 07/21/98  
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MATERIAL SAFETY DATA SHEET

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)  
IMPORTANT: Read this MSDS before handling & disposing of this product.  
Pass this information on to employees, customers, & users of this product.

SECTION 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION / HAZARD RATINGS

PRODUCT IDENTITY: VSC-841 CITRUS NAPHTHA	HAZARD RATINGS:
COMPANY IDENTITY: VALLEY SOLVENTS	
COMPANY ADDRESS: P. O BOX 18	HEALTH (NFPA): 0
COMPANY CITY: COMBES, TX 78535	HEALTH (HMIS): 1
COMPANY PHONE: 1-956-423-2791	FLAMMABILITY: 2
CHEMTREC PHONE: 1-800-424-9300	REACTIVITY: 0

SECTION 2. INGREDIENT & REGULATORY INFORMATION

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification  
This product contains the indicated (\*) toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	WT. % (REG. SECTION)	RQ(LBS)
Medium Aliphatic Solvent Naphtha	64742-88-7	Not Appl. (311,312)	None
d-Limonene	5989-27-5	Not Appl. (311,312)	None
1,2,4-Trimethylbenzene	95-63-6	< 5 (311,312,313,RCRA)	1000

SARA SECTION 311/312 HAZARDS: Acute Health, Fire

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Medium Aliphatic Solvent Naphtha	64742-88-7	500 ppm	100 ppm	Ne
d-Limonene	5989-27-5	None Known	50 ppm	Ne
1,2,4-Trimethylbenzene	95-63-6	25 ppm	25 ppm	Ne

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.  
Using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%):  
Polycyclic Aromatics

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
		None Known	None Known

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SECTION 2. INGREDIENT & REGULATORY INFORMATION (CONTINUED)

CALIFORNIA PROPOSITION 65: This product contains the following chemical known to the State of California to cause cancer:

Benzene

IF > 62328 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" IS EXCEEDED.  
DOT SHIPPING NAME: Petroleum Distillates, n.o.s., 3, UN1268, PG-III

DRUM LABEL: (FLAMMABLE LIQUID)

SECTION 3. HAZARDS IDENTIFICATION

THRESHOLD LIMIT VALUE: 75 ppm (Evaporated Blend)  
CONTAINS: MEDIUM ALIPHATIC SOLVENT NAPHTHA, D-LIMONENE,  
PETROLEUM NAPHTHA

WARNING!  
COMBUSTIBLE!

ACUTE HAZARDS

EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.  
Primary irritation to eyes, redness, tearing, blurred vision.  
Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure  
can cause serious nervous system depression. Vapor harmful.

SWALLOWING:

Harmful or fatal if swallowed.  
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

SUBCHRONIC HAZARDS/CONDITIONS AGGREGATED

CONDITIONS AGGREGATED

Persons with severe skin, liver or kidney problems should avoid use.

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SECTION 3. HAZARDS IDENTIFICATION (CONTINUED)  
CHRONIC HAZARDS

**CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:**

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%. This product may contain less than 1 ppm of Benzene. Not considered hazardous in such low concentrations.

SECTION 4. FIRST AID MEASURES PROCEDURES

**EYE CONTACT:**

For eyes, flush with plenty of water for 15 minutes & get medical attention.

**SKIN CONTACT:**

In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

**INHALATION:**

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration.

**SWALLOWING:**

If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting. Have patient lie down & keep warm.. Vomiting may lead to pneumonitis, which may be fatal.

SECTION 5. FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE : 232 C / 450 F (Lowest Component)

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.0

FLASH POINT (TEST METHOD): 42 C / 109 F (TCC)

FLAMMABILITY CLASSIFICATION: Class II

**EXTINGUISHING MEDIA**

MOPA Class B extinguishers (Carbon Dioxide or foam) for Class II liquid fires.

**SPECIAL FIRE FIGHTING PROCEDURES**

Water spray may be ineffective on fire out can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.

Do not enter confined fire-space without full bunker gear.

(Helmet with face shield, bunker coats, gloves & rubber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus.

**UNUSUAL EXPLOSION AND FIRE PROCEDURES**

**COMBUSTIBLE:**

Keep container tightly closed.

Isolate from oxidizers, heat, & open flame.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

Empty container very hazardous! Continue all label precautions!

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### SPILL OR LEAK PROCEDURES

Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Mop up & dispose of.

#### WASTE DISPOSAL METHOD

Recycle or dispose of observing local, state & Federal health, safety & pollution laws. If questions exist, contact the appropriate agencies.

### SECTION 7. HANDLING AND STORAGE

#### HANDLING

Isolate from oxidizers, heat, & open flame.

Use only with adequate ventilation. Avoid breathing of vapor or spray mist.

Avoid prolonged or repeated contact with skin.

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.

Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, braze, or weld. Empty container very hazardous! Continue all label precautions.

#### STORAGE

Do not store above 47 C/120 F. Store large amounts in structures made for OSHA Class II liquids. Keep container tightly closed & upright when not in use to prevent leakage.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

#### EXPOSURE CONTROLS

Ventilate to keep vapors of this material below

40 ppm. If over TLV, in accordance with 29 CFR 1910.134.

Use NIOSH approved positive-pressure self-contained breathing apparatus.

Consult Safety Equipment Supplier. Use explosion-proof equipment.

#### VENTILATION

LOCAL EXHAUST

: Necessary

MECHANICAL (GENERAL)

: Acceptable

SPECIAL

: None

OTHER

: None

#### PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.

Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

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SECTION 9. PHYSICAL DATA

APPEARANCE :		Liquid, Water-white
ODOR :		Lemon
BOILING RANGE :	157 165 177 C / 316 330 381 F	
GRAVITY @ 60 F :		
API :		46.0
SPECIFIC GRAVITY (Water=1) :		.797
POUNDS/GALLON :		6.640
VOC'S (>0.44 Lbs/5g In) :	0.0 Vol. % /	0.0 g/L / 0.000 Lbs/Gal
TOTAL VOC'S (TVOC) :	100.0 Vol. % /	797.2 g/L / 6.640 Lbs/Gal
NONEXEMPT VOC'S (SVOC) :	73.0 Vol. % /	570.1 g/L / 4.748 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS) :	0.0 Wt. % /	0.0 g/L / 0.000 Lbs/Gal
VAPOR PRESSURE (mm of Hg)@20 C		3.0
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)		2.3
VAPOR DENSITY (air=1) :		4.6
WATER ABSORPTION :		Negligible
SOLVENCY PARAMETERS:		
HKB (Hydrogen Bonding) :		16.3
PKB (Polarity) :		34.3
DKB (Dispersion) :		49.2
REFRACTIVE INDEX :		1.443
MIXED ANILINE POINT (Acid Insol):		56 C / 134 F

SECTION 10. REACTIVITY DATA

STABILITY

Stable

CONDITIONS TO AVOID

Isolate from oxidizers, heat, & open flames.

MATERIALS TO AVOID

Isolate from strong oxidizers such as permanganates, chromates & peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.