

Safety Data Sheet: #770 Low-VOC Thinner

Section 1: Identification

Product Name: #770 Low-VOC Thinner
Manufacturer's Name: Peacock Laboratories
Address: 1901 S. 54th Street
City, State, Zip: Philadelphia, PA, 19143
Phone Number: (215)-729-4000
Emergency Contact: (215)-729-4000
Chemtrec: (800)-424-9300

Recommended Use: A zero-VOC, low odor thinner for use with Permalac products.

Section 2: Hazards Identification

2.1 Classification of the Substance or Mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 2)

Acute toxicity, oral (Category 5)

Acute toxicity, inhalation (Category 3)

Acute toxicity, dermal (Category 5)

Skin irritation (Category 3)

Eye irritation (Category 2B)

For the full text of the H-Statements mentioned in this section, see Section 16.

2.2 GHS Label Elements (Including Precautionary Statements)

Hazard Pictograms



Signal Word: DANGER

Hazard Statements

H225 Highly flammable liquid and vapor.

H303 + H313 May be harmful if swallowed or in contact with skin.

H316 Causes mild skin irritation.

H320 Causes eye irritation.

H331 Toxic if inhaled.

Precautionary Statements

[Prevention]

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

[Response]

P305 + P351 + P338 IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

[Storage]

P403 + P235 Store in a well-ventilated place. Keep cool.

[Disposal]

P501 Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards Not Otherwise Classified (HNOC)

Repeated exposure may cause skin dryness and/or cracking.

Section 3: Composition/Information on Ingredients

Hazardous Ingredients	CAS #	Concentration (%)
<i>Tert-Butyl Acetate</i> (EC-No.: 208-760-7; Index-No.: 607-026-00-7)	540-88-5	100%

Section 4: First Aid Measures

4.1 Description of first aid measures

GENERAL: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance.

INHALATION: If inhaled, move the person to fresh air. If not breathing, give artificial respiration. Consult a physician.

EYES: Flush eyes thoroughly with water for at least 15 minutes. Seek medical attention.

SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water, and take victim immediately to a hospital. Consult a physician. Launder contaminated clothing before reuse.

INGESTION: If swallowed, seek immediate medical attention. DO NOT induce vomiting. Rinse mouth cautiously with water.

Section 5: Fire Fighting Procedures

Conditions of Flammability: Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flames/hot surfaces. **No smoking while using.**

Suitable Extinguisher Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous Decomposition Products Formed Under Fire Conditions: Carbon oxides can form.

Other Information: Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and Materials for Containment and Cleaning Up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see Section 13).

Section 7: Handling & Storage

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid inhalation of vapors or mist. Use explosion-proof equipment. Keep away from sources of ignition. NO SMOKING. Take measures to prevent the buildup of electrostatic charge.

Conditions for Safe Storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8: Exposure Controls/Personal Protection

Components	CAS #	Value	Control Parameter	Basis
Tert-Butyl Acetate	540-88-5	TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks				Eye & Upper Respiratory

				Tract Irritation
		TWA	200 ppm; 950 mg/m ³	USA. OSHA (Table Z-1) Limits for Air Contaminants, 1910.1000
		TWA	200 ppm; 950 mg/m ³	USA. OSHA (Table Z-1) Limits for Air Contaminants
		TWA	200 ppm; 950 mg/m ³	USA. NIOSH Recommended Exposure Limits

Personal Protective Equipment

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves' outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Recommended Material: Nitrile rubber. Minimum layer thickness: 0.4 mm.

Eye Protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and Body Protection: Complete suit protecting against chemicals; wear flame-retardant, antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene Measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Section 9: Physical and Chemical Properties

Physical State, Appearance and Odor: Clear liquid; no odor to report

Boiling Point (760 mm Hg): 97-98°C (207-208°F)

Freezing Point: Not available

Flash Point: 16°C (61°F)

Ignition Temperature: 425°C (797°F)

Autoignition Temperature: Not available

Lower Explosion Limit: 1.5-1.7% (V)

Vapor Pressure: 63 hPa (47 mm Hg) at 25°C (77°F)

Density: 0.866 g/cm³ at 20°C (68°F)

Water Solubility: Insoluble

Partition Coefficient (n-Octanol/Water): log Pow = 1.38

Relative Vapor Density: 4.65

*The above data are approximate or typical values and should not be used for precise design purposes.

Section 10: Stability and Reactivity Data

Chemical Stability: Stable under recommended storage conditions.

Incompatibility/Materials to Avoid: Oxidizing agents.

Hazardous Decomposition Products: Carbon oxides.

Possibility of Hazardous Reactions: Vapors may form explosive mixture with air.

Conditions to Avoid: Heat, flame(s), and sparks. Avoid extremes of temperature and direct sunlight.

Section 11: Toxicological Information

Acute Toxicity

LD50 Oral-Rat: 4100 mg/kg

Remarks: [Behavioral] Altered sleep time (including change in righting reflex). Can cause ataxia, dyspnea, or affect lungs, thorax, and/or respiration.

LC50 Inhalation-Rat: 4 h > 2230 mg/m³

LD50 Dermal-Rabbit: > 2000 mg/kg

Remarks: Can cause diarrhea, and/or affect kidney(s), ureter, and/or bladder.

Skin Corrosion/Irritation

Skin-Rabbit: Mild skin irritation.

Serious Eye Damage/Irritation

Eyes-Rabbit: Mild eye irritation.

Respiratory or Skin Sensitization

No data available.

Germ Cell Mutagenicity

No data available.

Reproductive Toxicity

No data available.

Teratogenicity

No data available.

Specific Target Organ Toxicity (Single Exposure), Globally Harmonized System

No data available.

Specific Target Organ Toxicity (Repeated Exposure), Globally Harmonized System

No data available.

Aspiration Hazard

No data available.

Synergistic Effects

No data available.

POTENTIAL HEALTH EFFECTS

Inhalation: Toxic if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Signs & Symptoms of Exposure

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Additional Information: RTECS: AF7400000

Carcinogenicity

I.A.R.C: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by I.A.R.C.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Section 12: Ecological Information

Toxicity: Toxicity to fish LC50-*Pimephales promelas* (fathead minnow) = 296-362 mg/l-96 h

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

PBT and vPvB assessment: No data available

Other Adverse Effects: No data available

Section 13: Disposal Considerations

Burn in a chemical incinerator equipped with an afterburner and scrubber, but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. If packaging is contaminated, dispose of as unused product.

Section 14: Transport Information

DOT (US)

UN Number: 1123

Class: 3
Packing Group: II
Proper Shipping Name: Butyl Acetates
Reportable Quantity (RQ): 5000 lbs
Marine Pollutant: No
Poison Inhalation Hazard: No

IMDG

UN Number: 1123
Class: 3
Packing Group: II
EMS-No: F-E, S-D
Proper Shipping Name: BUTYL ACETATES
Marine pollutant: No

IATA

UN Number: 1123
Class: 3
Packing Group: II
Proper Shipping Name: Butyl Acetates

Section 15: Regulatory Information

OSHA Hazards

Flammable liquid. Toxic by inhalation.

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard

Massachusetts Right To Know Components

Tert-Butyl Acetate
CAS-No.540-88-5
Revision Date 1993-04-24

Pennsylvania Right To Know Components

Tert-Butyl Acetate
CAS-No.540-88-5
Revision Date 1993-04-24

New Jersey Right To Know Components

Tert-Butyl Acetate
CAS-No.540-88-5
Revision Date 1993-04-24

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Section 16: Other Information

Date of Last Revision: 12/12/2023

Disclaimer: The information in this SDS was obtained from sources which we believe are reliable and correct, but does not purport to be inclusive and shall be used only as a guide. The information is provided without any representation of warranty expressed or implied regarding the accuracy of correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, Peacock Laboratories, Inc. and its employees do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of, or in any way connected with the handling, storage use of disposal of the product.