

111-054

ITW Permatex Canada  
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Canadian Workplace Hazardous Materials Information System  
Material Safety Data Sheet

**I. PRODUCT IDENTIFICATION**

Product Name: PC HEAVY DUTY HEADLINER & CARPET ADHESIVE 474G  
Item No: 27829  
Product Type: Aerosol adhesive

**II. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	Weight%	LD50/oral/rat	LC50/Inhalation/rat	ACGIH; TLV-TWA
N-HEXANE 110-54-3	20-30	25 g/kg	48000 ppm/4H	50 ppm
PETROLEUM GASES, LIQUIFIED 68476-85-7	20-30	not available	not available	1000 ppm, 1800 mg/m <sup>3</sup> TWA ACGIH
ACETONE 67-64-1	10-30	5800 mg/kg	not available	500 ppm

**III. PHYSICAL DATA**

Physical State/Appearance: Amber liquid  
Odour & Odour Threshold: Solvent odour  
Specific Gravity: 0.7  
Evaporation Rate: >1.0 (butyl acetate = 1)  
Vapour Pressure: Not determined  
Vapour Density: Heavier than air  
Freezing Point: Not determined  
pH: Does not apply  
Octanol/Water Coefficient: Not determined  
Boiling Point: >35C

**IV. FIRE AND EXPLOSIVE DATA**

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam  
Hazardous Combustion Products: Oxides of carbon  
Sensitivity to Static Discharge: Aerosol cans are under pressure and may explode in fire.  
Conditions of Flammability: FLAMMABLE: Sprayed product will project flame and may flashback on contact of spray with an ignition source. Contents under pressure. Containers may explode if heated. Keep containers cool. Use equipment or shielding to protect personnel from bursting containers.  
Flash Point/Range: Flame projection >15 cm but <100 cm  
Autoignition Temperature: Not determined  
Upper Explosive Limit: Not determined  
Lower Explosive Limit: Not determined

**V. REACTIVITY DATA**

Conditions Causing Chemical Instability: Stable  
Materials to avoid: Strong oxidizing agents, Acids, Amines  
Conditions of Reactivity: Avoid excessive heat, sparks and open flame.  
Hazardous Decomposition Products: Carbon oxides

**VI. HAZARDS IDENTIFICATION**

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation  
Existing Conditions Aggravated by Exposure: Acetone. Lung and other respiratory diseases, eye, skin and central nervous system problems  
Toxicity Information: (See Effects of Acute Exposure to Product)

## **VI. HAZARDS IDENTIFICATION**

<b>Effects of Acute Exposure:</b>	High concentration may cause respiratory irritation and central nervous system depression with dizziness, headache, unconsciousness and/or death. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration into the lungs can cause pneumonia which can be fatal. May cause eye/skin irritation.
<b>Effects of Chronic Exposure:</b>	Overexposure to methyl ethyl ketone and n-hexane may cause peripheral nerve damage (that of arms and legs) and result in muscular weakness and loss of sensation.
<b>Irritancy of Product:</b>	Overexposure may cause eye or respiratory system irritation; headache, nausea, dizziness, weakness, fatigue, unconsciousness, vomiting, diarrhea, eye redness, tearing, blurred vision. Swallowing. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration of material into the lungs can cause chemical pneumonia which can be fatal. Symptoms may include: 1) throat irritation, 2) gastrointestinal irritation (nausea, vomiting, diarrhea), 3) central nervous system depression; dizziness, drowsiness, weakness, fatigue, nausea, headache, possible unconsciousness, coma and even death, 4) high blood sugar.
<b>Sensitization to Product:</b>	(See Effects of Acute Exposure to Product)
<b>Carcinogenicity:</b>	(See Effects of Chronic Exposure to Product)
<b>Reproductive Toxicity:</b>	(See Effects of Chronic Exposure to Product)
<b>Teratogenicity:</b>	(See Effects of Chronic Exposure to Product)
<b>Mutagenicity:</b>	(See Effects of Chronic Exposure to Product)
<b>Toxicologically Synergistic Products:</b>	None known
<b>WHMIS Hazard Class:</b>	A COMPRESSED GAS, B5 FLAMMABLE AEROSOLS, D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

## **VII. PREVENTATIVE MEASURES**

<b>Personal Protection</b>	
<b>Eyes:</b>	Safety glasses
<b>Skin:</b>	Neoprene or nitrile gloves recommended
<b>Ventilation:</b>	General, local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product. In case of insufficient ventilation, wear an organic vapor respirator.
<b>Engineering Controls:</b>	In case of insufficient ventilation, wear an organic vapor respirator.
<b>Spill Procedures:</b>	Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.
<b>Protection of Man and Environment:</b>	Follow Canadian and local regulations for disposal.
<b>Handling Procedures and Equipment:</b>	Store away from heat, sparks and open flame. Store at temperatures below 50°C.
<b>Special Handling Information:</b>	Eliminate all ignition sources. Avoid prolonged exposure to vapours. Wear suitable gloves and eye protection. Do not use for prolonged periods in confined area without adequate ventilation. Do not spray into eyes or onto skin.

## **VIII. FIRST AID MEASURES**

<b>Ingestion:</b>	Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Move to fresh air. In case of accidental inhalation of vapours, Oxygen or artificial respiration if needed. Obtain medical attention.
<b>Skin Contact:</b>	Wash off with soap and water. If skin irritation persists, call a physician.
<b>Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

## **IX. SHIPPING INFORMATION**

### **Canadian Transportation of Dangerous Goods**

<b>Proper Shipping Name:</b>	Aerosols, Limited Quantity
<b>Hazard Class:</b>	Class 2.1
<b>UN/ID No:</b>	UN 1950

### **IATA (Air)**

<b>Proper Shipping Name:</b>	Consumer Commodity
<b>Class or Division:</b>	Class 0
<b>UN/ID Number:</b>	ID 8000

### **IMDG (Vessel)**

<b>Proper Shipping Name:</b>	Aerosols, Limited Quantity
<b>Hazard Class:</b>	Class 2.1
<b>UN Number:</b>	UN 1950

## **X. PREPARATION INFORMATION**

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 4, PHYSICAL HAZARD 0  
(HMIS is a registered trademark of the National Paint and Coatings Association)

**X. PREPARATION INFORMATION**

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 4, REACTIVITY 0  
(NFPA is a registered trademark of the National Fire Protection Association)

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