

SAFETY DATA SHEET

1. Identification

Product identifier	Rubber Cement
Other means of identification	
Synonyms	Tube Repair Patch Kit, Tube Patch Kit w/ Levers Tire Tackle Kit 22 pc., Tire Plug Kit w/ Pistol Grip Handle, Tire Plug Kit w/ T-Handle, Tube Patch Kit w/ Glue, Tire Repair Plugs 30 pk., Tire Repair Plugs w/ Glue 5 pk., Tire Tackle Kit 54 pc., Tire Plug Kit w/ Pencil Gauge, Rubber Cement, Carded Tube, Rubber Cement, Brush Top Can, AM Rubber Cement
	Article number(s): 20134, 24010, 24011, 24017, 24018, 24034, 24035, 24041, 24042
Recommended use	Adhesive
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer	
Company name	ITW Permatex Canada
Address	35 Brownridge Road, Unit 1 Halton Hills, ON L7G 0C6 Canada
Telephone	1-905-693-8900
e-mail	literature.canada@permatex.com
Emergency phone number	1-877-504-9352
Supplier	See above.

2. Hazard identification

Physical hazards	Flammable liquids	Category 2
Health hazards	Skin corrosion/irritation	Category 2
	Germ cell mutagenicity	Category 1B
	Carcinogenicity	Category 1B
	Specific target organ toxicity following single exposure	Category 3 narcotic effects
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	

Label elements



Signal word	Danger
Hazard statement	Highly flammable liquid and vapour. Causes skin irritation. May cause genetic defects. May cause cancer. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

Precautionary statement

Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Ground and bond container and receiving equipment. Take action to prevent static discharges. Avoid breathing mist or vapour. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
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Response	In case of fire: Use appropriate media to extinguish. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label). IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTRE/doctor. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep cool.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Solvent naphtha (petroleum), light aliphatic		64742-89-8	60
Heptane		142-82-5	24
Heptene		25339-56-4	12
Octane		111-65-9	4

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation	IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.
Skin contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapours may travel considerable distance to a source of ignition and flash back. Vapours may form explosive mixtures with air.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapour.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing mist or vapour. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.

Environmental precautions

Do not discharge into lakes, streams, ponds or public waters.

7. Handling and storage

Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight.

All equipment used when handling the product must be grounded.

Take precautionary measures against static discharges.

Use non-sparking tools and explosion-proof equipment.

Avoid contact with eyes, skin, and clothing.

Wear appropriate personal protective equipment.

Avoid breathing mist or vapour.

Avoid prolonged exposure.

Observe good industrial hygiene practices.

Wash thoroughly after handling.

When handling, do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame.

Prevent electrostatic charge build-up by using common bonding and grounding techniques.

Store in a cool, dry place out of direct sunlight.

Store in a well-ventilated place.

Store away from incompatible materials (see Section 10 of the SDS).

Keep out of reach of children.

Store locked up.

8. Exposure controls/Personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Heptane (CAS 142-82-5)	STEL	500 ppm
	TWA	400 ppm
Octane (CAS 111-65-9)	TWA	300 ppm

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Heptane (CAS 142-82-5)	STEL	2050 mg/m ³
	TWA	500 ppm
Octane (CAS 111-65-9)	TWA	1640 mg/m ³
	TWA	400 ppm
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)	TWA	1400 mg/m ³
	TWA	300 ppm
		1590 mg/m ³
		400 ppm

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Heptane (CAS 142-82-5)	STEL	500 ppm
	TWA	400 ppm
Octane (CAS 111-65-9)	TWA	300 ppm

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value
Heptane (CAS 142-82-5)	STEL	500 ppm
	TWA	400 ppm
Octane (CAS 111-65-9)	TWA	300 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Heptane (CAS 142-82-5)	STEL	500 ppm
	TWA	400 ppm
Octane (CAS 111-65-9)	TWA	300 ppm

Canada. Quebec OELs. (Ministry of Labour - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Heptane (CAS 142-82-5)	STEL	2050 mg/m3
		500 ppm
	TWA	1640 mg/m3
Octane (CAS 111-65-9)		400 ppm
	STEL	1750 mg/m3
		375 ppm
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)		1400 mg/m3
	TWA	300 ppm
		1590 mg/m3
		400 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Confirm with a reputable supplier first.

Other As required by employer code.

Respiratory protection Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards Not applicable.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. Physical and chemical properties

Appearance	Viscous Liquid
Physical state	Liquid.
Form	Liquid.
Colour	Colourless
Odour	Solvent
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 35 °C (> 95 °F)
Flash point	-9.0 °C (15.8 °F)
Evaporation rate	3.1
Flammability (solid, gas)	Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	1.3 %
Explosive limit – upper (%)	Not available.

Vapour pressure 60 hPa @ 20°C

Vapour density 3.5 @ 20°C

Relative density Not available.

Solubility(ies)

Solubility (Water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Density 0.70 g/cm³ @ 20°C

Explosive properties Not explosive.

Oxidising properties Not oxidising.

10. Stability and reactivity

Reactivity	May react with incompatible materials.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Do not mix with other chemicals.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause stomach distress, nausea or vomiting.

Symptoms related to the physical, chemical and toxicological characteristics
 Aspiration may cause pulmonary oedema and pneumonitis.
 May cause drowsiness and dizziness. Headache. Nausea, vomiting.
 Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects.

Components	Species	Test results
Heptane (CAS 142-82-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, HCHA
<i>Inhalation</i>		
LC50	Rat	> 73.5 mg/L, 4 Hours, ECHA > 29.3 mg/L, 4 Hours, ECHA 103 mg/L, 4 Hours, HSDB
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA

Components	Species	Test results
Heptene (CAS 25339-56-4)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg, Gelest, Inc
<i>Inhalation</i>		
LC50	Rat	8050 ppm, 4 h, Gelest, Inc
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, Gelest, Inc
Octane (CAS 111-65-9)		
Acute		
<i>Dermal</i>		
LD50	Not available	
	Rabbit	> 2000 mg/kg, 24 Hours
<i>Inhalation</i>		
LC50	Rat	> 24.9 mg/L, 4 Hours 25250 mg/l/4h
<i>Oral</i>		
LD50	Not available	
	Rat	> 5000 mg/kg
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 6000 mg/kg, 24 Hours, ECHA > 3750 mg/kg, 24 Hours, ECHA > 3000 mg/kg, 24 Hours, ECHA > 2000 mg/kg, ECHA > 2000 mg/kg, 24 Hours, ECHA > 1900 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	> 8530 mg/m3, 4 Hours, ECHA > 7970 mg/m3, 4 Hours, ECHA > 7630 mg/m3, 4 Hours, ECHA > 7300 mg/m3, 4 Hours, ECHA > 5830 mg/m3, 4 Hours, ECHA > 5740 mg/m3, 4 Hours, ECHA > 5610 mg/m3, 4 Hours, ECHA > 5470 mg/m3, 4 Hours, ECHA > 5300 mg/m3, 4 Hours, ECHA > 5280 mg/m3, 4 Hours, ECHA > 5260 mg/m3, 4 Hours, ECHA > 5250 mg/m3, 4 Hours, ECHA > 5240 mg/m3, 4 Hours, ECHA > 5220 mg/m3, 4 Hours, ECHA > 5200 mg/m3, 4 Hours, ECHA > 5170 mg/m3, 4 Hours, ECHA > 5160 mg/m3, 4 Hours, ECHA > 5100 mg/m3, 4 Hours, ECHA > 5080 mg/m3, 4 Hours, ECHA > 5050 mg/m3, 4 Hours, ECHA > 5040 mg/m3, 4 Hours, ECHA > 5020 mg/m3, 4 Hours, ECHA

Components	Species	Test results
		> 5000 mg/m ³ , 4 Hours, ECHA
		> 4980 mg/m ³ , 4 Hours, ECHA
		> 4970 mg/m ³ , 4 Hours, ECHA
		> 4420 mg/m ³ , 4 Hours, ECHA
		> 5.4 mg/L, 4 Hours, ECHA
		> 5.1 mg/L, 4 Hours, ECHA
		> 5.1 mg/L, 4 Hours, ECHA
		> 5 mg/L, 4 Hours, ECHA
		> 5 mg/L, 4 Hours, ECHA
		>= 5060 mg/m ³ , 4 Hours, ECHA
Oral LD50	Rat	> 7000 mg/kg, ECHA
		> 6000 mg/kg, ECHA
		> 5570 mg/kg, ECHA
		> 5200 mg/kg, ECHA
		> 5000 mg/kg, ECHA
		> 4800 mg/kg, ECHA
		> 4500 mg/kg, ECHA
		> 25 ml/kg, HSDB
		14063 mg/kg, ECHA
		6620 mg/kg, ECHA
		5800 mg/kg, ECHA
		5390 mg/kg, ECHA
		4820 mg/kg, ECHA
Skin corrosion/irritation	Causes skin irritation.	
Exposure minutes	Not available.	
Erythema value	Not available.	
Oedema value	Not available.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Corneal opacity value	Not available.	
Iris lesion value	Not available.	
Conjunctival reddening value	Not available.	
Conjunctival oedema value	Not available.	
Recover days	Not available.	
Respiratory or skin sensitisation		
Canada - Alberta OELs: Irritant		
Octane (CAS 111-65-9)	Irritant	
Respiratory sensitisation	Not a respiratory sensitizer.	
Skin sensitisation	This product is not expected to cause skin sensitisation.	
Germ cell mutagenicity	May cause genetic defects.	
Carcinogenicity	May cause cancer.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	May be fatal if swallowed and enters airways.	
Chronic effects	Prolonged inhalation may be harmful.	
Further information	Not available.	

12. Ecological information

Ecotoxicity See below

Ecotoxicological data

Components		Species	Test results
Heptane (CAS 142-82-5)			
Aquatic			
Fish	LC50	Mozambique tilapia (Tilapia mossambica)	375 mg/L, 96 hours
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)			
Algae	IC50	Algae	4700 mg/L, 72 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	2.7 - 5.1 mg/L, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	8.8 mg/L, 96 hours
			8.8 mg/L, 96 hours
Persistence and degradability	No data is available on the degradability of this product.		
Bioaccumulative potential			
Mobility in soil			
Mobility in general	No data available.		
Other adverse effects	Not available.		
	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation)		

13. Disposal considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

General Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of the product will appear below.

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number	UN1133
Proper shipping name	ADHESIVES containing flammable liquid
Technical name	Heptane
Technical name	Heptene
Hazard class	3
Packing group	II

TDG



15. Regulatory information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Heptane (CAS 142-82-5)	1 TONNES
Octane (CAS 111-65-9)	1 TONNES
Solvent naphtha (petroleum), light aliphatic (CAS 64742-89-8)	1 TONNES

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS status Controlled**International regulations****Inventory status**

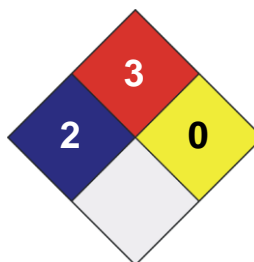
Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X

**Issue date** 30-November-2017**Revision date** 30-November-2017**Version No.** 01**Other information** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.**Disclaimer** Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.**Prepared by** Dell Tech Laboratories Ltd. Phone: (519) 858-5021