



Safety Data Sheet

Section 1: Identification

Product Name: Robroy Spray Patch Gray w/ Propellant

Trade Name: TOUCH-UP SPRAY

Manufacturer's Name:
PAL, LLC

Phone: 501-945-7771

Fax: 501-945-7778

Address:
401 North Palm Street
North Little Rock, AR 72114

EMERGENCY CONTACT:
Chemtrec (acct #17965) : 1-800-424-9300

Product Use: Sprayable Patch

Section 2: Hazard(s) Identification

GHS Ratings:

Flammable aerosol	1	Flammable aerosol class 1
Gas under pressure	Compressed gas	Entirely gaseous at -50°C
Skin Corrosion/Irritation	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye Damage/Irritation	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	2	Human or animal evidence possibly with other information
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation
Organ toxin repeated exposure	1	Significant toxicity in humans; Reliable, good quality human case studies or epidemiological studies Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ≥ 20.5 mm ² /s at 40° C.

GHS Hazards

H229	Pressurized container: may burst if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking
P211	Do not spray on an open flame or other ignition source
P251	Pressurized container - Do not pierce or burn, even after use
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P314	Get Medical advice/attention if you feel unwell
P321	Specific treatment (see Section 4 in this SDS)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P378	See section 5 for extinguishing types.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	If eye irritation persists, get medical advice/attention
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed
P410+P403	Protect from sunlight. Store in a well ventilated place
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501	Dispose of contents/container according to Section 13.

Signal Word: Danger



Section 3: Composition

Chemical Name	CAS number	Weight Concentration %
Acetone	67-64-1	30.00% - 40.00%
Toluene	108-88-3	10.00% - 20.00%
2-Pentanone, 4-methyl-	108-10-1	10.00% - 20.00%
Propane	74-98-6	5.00% - 10.00%
n-Butane	106-97-8	5.00% - 10.00%
Trade Secret		1.00% - 5.00%
Trade Secret		1.00% - 5.00%
Diisononyl phthalate	28553-12-0	1.00% - 5.00%
Titanium dioxide	13463-67-7	1.00% - 5.00%
Propylène glycol monomethyl ether	107-98-2	1.00% - 5.00%
2-Butoxyethanol	111-76-2	1.00% - 5.00%

Carbon black	1333-86-4	0.10% - 1.00%
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The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

Section 4: First-Aid Measures

General Advice: Move out of dangerous area. Consult a physician. Show this SDS to the doctor in attendance. Do not leave the victim unattended.

If inhaled: Move person to fresh air and keep at rest in a position comfortable for breathing. If unconscious, place in recovery position and seek medical advice. Maintain an open airway. If symptoms persist, call a physician.

In Case of Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do and continue eye irrigation for no less than 15 minutes. Get medical attention.

In case of skin contact: Immediately remove contaminated clothing and shoes. Wash off with soap and water. For severe exposures, immediately get under safety shower and begin rinsing. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

If swallowed: Rinse mouth with water. DO NOT induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention.

Note to Physician: Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

LEL: 1.0%

UEL: 11.0%

Flashpoint C: Not Applicable

Flashpoint F: Not Applicable

Flammable Limits: Not Determined

Suitable Extinguishing Media: Water fog, alcohol-resistant foam, carbon dioxide (CO₂), or dry chemical extinguishing media.

Unsuitable Extinguishing Media: High volume water jet, as this will spread the fire.

Unusual Fire / Explosion Hazards: Extremely flammable aerosol. Contents under pressure. If in a fire or heated, a pressure increase will occur and the container may burst, with the risk of subsequent explosion. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Runoff to sewer may create fire or explosion hazard. Vapors are heavier than air and may travel along low areas to source of ignition and flash back. Bursting aerosol containers may be propelled from a fire at high speed.

Hazardous Combustion Products: During a fire, smoke may contain combustion products that may include but are not limited to: carbon dioxide, carbon monoxide, hydrogen chloride, and toxic fumes.

Fire Fighting Instruction: Keep people away. Isolate fire and deny unnecessary entry. Do not breathe fumes. Move containers from fire area if you can do so without risk. Keep unopened containers cool by spraying with water. Collect contaminated extinguishing water separately; do not allow to reach sewage or effluent systems.

Fire Fighting Equipment: As in any fire, wear self-contained breathing apparatus (SCBA) and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures:

Evacuate area. Keep unnecessary and unprotected personnel from entering area. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat according to the instructions for Large Spills. Do not touch or walk through spilled material. Eliminate all ignition sources. Keep combustibles away from spilled material. Use only non-sparking tools. Take precautionary measures against static discharge. Ventilate closed spaces before entering them.

Use appropriate safety equipment recommended in Section 8.

Other information: For all transportation accidents, call Chemtrec 1-800-424-9300

Methods and Material for Containment and Cleaning Up:

Small Spills: Stop leak, if it can be done without risk. Move containers from spill area. Floor may be slippery, use care to avoid falling. Contain and collect spillage with non-combustible absorbent material, such as dry sand, vermiculite, or other inert dry materials. Ground and bond all containers and handling equipment. Place in container for proper disposal.

Large Spills: Stop leak, if it can be done without risk. Move containers from spill area. Floor may be slippery, use care to avoid falling. Contain and collect spillage with non-combustible absorbent material, such as dry sand, vermiculite, or other inert dry materials. Ground and bond all containers and handling equipment. Place in container for proper disposal. Dispose of via a licensed waste disposal contractor.

Environmental Precautions: Prevent from entering into soil, ditches, sewers, waterways, and/or groundwater
See Section 12, Ecological Information

Section 7: Handling and Storage

Advice on safe handling: Pressurized container. Handle and open container with care. Do not pierce or burn, even after use. Do not handle store or open near an open flame, sources of heat, or sources of ignition. Protect material from direct sunlight, and do not expose to temperatures above 50°C. Smoking, eating, and drinking should be prohibited in the area where this material is handled, stored, and processed. Provide explosion-proof general and local exhaust ventilation. Exhaust ventilation is necessary if product is sprayed. All equipment used when handling the product must be grounded. Take precautions against static discharges. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapor. Avoid contact with skin, eyes or clothing. Do not ingest. Use with adequate ventilation. Use good safety and industrial hygiene practices. Wash thoroughly after handling. For personal protection see section 8.

Conditions for safe storage: Keep away from heat, sparks, and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Ground and bond all containers and handling equipment. Keep container tightly closed in a cool, dry, and well-ventilated place out of direct sunlight. Keep in an area equipped with sprinklers. Observe label precautions.

Materials to Avoid: Strong Oxidizing agents

Section 8: Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Acetone 67-64-1	1000 ppm TWA; 2400 mg/m3 TWA	750 ppm STEL 500 ppm TWA	NIOSH: 250 ppm TWA; 590 mg/m3 TWA

Toluene 108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
2-Pentanone, 4-methyl- 108-10-1	100 ppm TWA; 410 mg/m3 TWA	75 ppm STEL 20 ppm TWA	NIOSH: 50 ppm TWA; 205 mg/m3 TWA 75 ppm STEL; 300 mg/m3 STEL
Propane 74-98-6	1000 ppm TWA; 1800 mg/m3 TWA	1000 ppm TWA (listed under Aliphatic hydrocarbon gases: Alkane C1-4)	NIOSH: 1000 ppm TWA; 1800 mg/m3 TWA
n-Butane 106-97-8	Not Established	1000 ppm STEL (explosion hazard, listed under Butane, isomers)	NIOSH: 800 ppm TWA; 1900 mg/m3 TWA
Trade Secret	Not Established	Not Established	Not Established
Trade Secret	Not Established	Not Established	Not Established
Diisononyl phthalate 28553-12-0	Not Established	Not Established	Not Established
Titanium dioxide 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	Not Established
Propylene glycol monomethyl ether 107-98-2	Not Established	100 ppm STEL 50 ppm TWA	NIOSH: 100 ppm TWA; 360 mg/m3 TWA 150 ppm STEL; 540 mg/m3 STEL
2-Butoxyethanol 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA
Carbon black 1333-86-4	3.5 mg/m3 TWA	3 mg/m3 TWA (inhalable fraction)	NIOSH: 3.5 mg/m3 TWA; 0.1 mg/m3 TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)

Engineering Controls: Explosion-proof general and local exhaust ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits indicated above. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

If exposure limits have not been established, maintain acceptable airborne levels.

Eye Protection: Use tightly fitting safety goggles or full face shield if greater risk of splash exists.

Hand Protection: Wear chemical-resistant protective gloves. Examples of preferred glove material include: Nitrile rubber, Butyl rubber, Neoprene

Body Protection: Use chemical-resistant protective clothing. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Respiratory Protection: Use a properly fitted air-purifying or air-supplied respirator.

Disposal of Contaminated Gear: Remove contaminated clothing and wash thoroughly before reuse.

Section 9: Physical and Chemical Properties

Physical State: Aerosol spray Odor / Odor Threshold: Solvent-like Initial Boiling Point: 56°C Flamability-upper: Not Determined Autoignition Temperature: Not Determined pH Value: Not Determined Viscosity: Not Determined Partition Coefficient: Not Determined Specific Gravity: 0.83 Particle Characteristics: Not Applicable	Color: Gray Melting / Freezing Point: Not Determined Flamability-lower: Not Determined Flash Point: Not Applicable for Aerosols Decomposition Temperature: Not Determined Kinematic Viscosity: Not Determined Solubility: Not Determined Vapor Pressure (evap rate): Not Determined Relative Vapor Density: Not Determined Freezable: Not Determined
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Section 10: Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
STABLE

Conditions to Avoid: Avoid heat, flames, sparks, and other sources of ignition. Avoid static discharge. Avoid contact with incompatible materials listed below.

Incompatible Materials: Strong Oxidizing agents

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Calculated Mixture Toxicity

Inhalation Toxicity LC50: 70mg/L

Component Toxicity

108-10-1	2-Pentanone, 4-methyl- Oral LD50: 2,080 mg/kg (Rat) Dermal LD50: 11 mL/kg (Rabbit) Inhalation LC50: 3,000 ppm (Rat)
107-98-2	Propylene glycol monomethyl ether Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 13 g/kg (Rabbit) Inhalation LC50: 6 mg/L (Rat)

Target Organs:

blood eyes kidneys liver central nervous system skin respiratory system

Carcinogenicity:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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106-97-8	n-Butane	5% - 10%	n-Butane: EU REACH: Present (C) (containing $\geq 0.1\%$ Butadiene)
108-10-1	2-Pentanone, 4-methyl-	10% - 20%	2-Pentanone, 4-methyl-: IARC: Possible human carcinogen OSHA: listed
1333-86-4	Carbon black	0.1% - 1.0%	Carbon black: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed Carbon black (CAS #1333-86-4) is a listed chemical, however it is supplied in a wet or "bound" state, not the dry powder form specified in the Proposition.
13463-67-7	Titanium dioxide	1% - 5%	Titanium dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen, Group 2B OSHA: listed IARC Monographs Vol 93, Titanium Dioxide 1.3.2(c) "No significant exposure to primary particles of titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints."
28553-12-0	Diisononyl phthalate	1% - 5%	Diisononyl phthalate: Not classified for carcinogenicity according to Regulation (EC) No 1272/2008. Findings are not regarded as relevant to humans.

Section 12: Ecological Information

Mixture Ecotoxicity: Not Determined, see component ecotoxicity if available.

Component Ecotoxicity

Acetone

96 Hr LC50 Oncorhynchus mykiss: 4.74 - 6.33 mL/L; 96 Hr LC50 Pimephales
promelas: 6210 - 8120 mg/L; 96 Hr LC50 Lepomis macrochirus: 8300 mg/L
48 Hr EC50 Daphnia magna: 10294 - 17704 mg/L [Static]; 48 Hr EC50 Daphnia
magna: 12600 - 12700 mg/L

Toluene	96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L (1 day old); 96 Hr LC50 Pimephales promelas: 12.6 mg/L ; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L ; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L ; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L ; 96 Hr LC50 Oryzias latipes: 54 mg/L ; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L 48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L
2-Pentanone, 4-methyl-	96 Hr LC50 Pimephales promelas: 496 - 514 mg/L 48 Hr EC50 Daphnia magna: 170 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: 400 mg/L
Diisononyl phthalate	96 Hr LC50 Brachydanio rerio: >100 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: >0.14 mg/L ; 96 Hr LC50 Lepomis macrochirus: >0.17 mg/L ; 96 Hr LC50 Pimephales promelas: >0.19 mg/L ; 96 Hr LC50 Pimephales promelas: >0.14 mg/L 48 Hr EC50 Daphnia magna: >500 mg/L; 48 Hr EC50 Daphnia magna: >0.06 mg/L [Static] 72 Hr EC50 Desmodesmus subspicatus: >500 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >1.8 mg/L
Propylene glycol monomethyl ether	96 Hr LC50 Pimephales promelas: 20.8 g/L 48 Hr EC50 Daphnia magna: 23300 mg/L
2-Butoxyethanol	96 Hr LC50 Lepomis macrochirus: 1490 mg/L ; 96 Hr LC50 Lepomis macrochirus: 2950 mg/L 48 Hr EC50 Daphnia magna: >1000 mg/L

Section 13: Disposal Considerations

Disposal methods

Waste from residues: Waste disposal should be in accordance with existing federal, state, and local environmental control laws. The product should not be allowed to enter drains, water courses, or soil. Do not contaminate ponds, waterways, or ditches with chemical or used container. Send to a licensed waste management company for disposal.

Contaminated packaging: Handle empty containers with care because residual vapors are flammable. Pressurized container. Do not pierce or burn even after use. Flammable vapors may accumulate in container. Dispose of as unused product; observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed.

Section 14: Transport Information

The following information applies to the listed mode of transportation only. The description may change or the item may become regulated in other modes.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT:	Aerosols, Flammable (Each not exceeding 1L capacity) ERG: 126	UN1950	II	2.1

Section 15: Regulatory Information

Regulatory information is not meant to be all-inclusive. It is the user's responsibility to ensure compliance with federal, state, or provincial and local laws.

CAA (Clean Air Act) - Accidental Release Prevention- Flammable Substances
Acetone 67-64-1 30 - 40%

Toluene 108-88-3 10 - 20%
2-Pentanone, 4-methyl- 108-10-1 10 - 20%
n-Butane 106-97-8 5 - 10%
Propane 74-98-6 5 - 10%
Titanium dioxide 13463-67-7 1 - 5%
Propylene glycol monomethyl ether 107-98-2 1 - 5%
2-Butoxyethanol 111-76-2 1 - 5%
Carbon black 1333-86-4 0.1 - 1.0%

CAA (Clean Air Act) - Accidental Release Prevention - Toxic Substances
None

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

108-88-3 Toluene 10 - 20% Reproductive
108-10-1 2-Pentanone, 4-methyl- 10 - 20% Carcinogen
28553-12-0 Diisononyl phthalate 1 - 5% Carcinogen
13463-67-7 Titanium dioxide 1 - 5% Carcinogen
1333-86-4 Carbon black 0.1 - 1.0% Carcinogen

CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Acetone 67-64-1 30 - 40%
Toluene 108-88-3 10 - 20%
2-Pentanone, 4-methyl- 108-10-1 10 - 20%

CWA (Clean Water Act) - Toxic Pollutants

Toluene 108-88-3 10 - 20%

DOT (Department of Transportation) - Hazardous Substances and Reportable Quantities

Acetone 67-64-1 30 - 40%
Toluene 108-88-3 10 - 20%
2-Pentanone, 4-methyl- 108-10-1 10 - 20%

International Maritime Organization (IMO) - IMDG - Marine Pollutants
None

New Jersey - Right to Know Hazardous Substance List

Acetone 67-64-1 30 - 40%
Toluene 108-88-3 10 - 20%
2-Pentanone, 4-methyl- 108-10-1 10 - 20%
n-Butane 106-97-8 5 - 10%
Propane 74-98-6 5 - 10%
Titanium dioxide 13463-67-7 1 - 5%
2-Butoxyethanol 111-76-2 1 - 5%
Propylene glycol monomethyl ether 107-98-2 1 - 5%
Carbon black 1333-86-4 0.1 - 1.0%

OSHA - Specifically Regulated Chemicals
None

CERCLA/SARA - Section 313 - Emission Reporting

Toluene 108-88-3 10 - 20%
2-Pentanone, 4-methyl- 108-10-1 10 - 20%

TSCA (Toxic Substances Control Act) Section 4(e) - ITC Priority Testing List
None

Section 16: Other Information

While Production Assistance Link, LLC. believes the statements set forth herein are accurate as of the date hereof, Production Assistance Link, LLC. makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation, and verification.

Date revised: 2026-03-17

Reviewer Revision

Date Prepared: 4/20/2026