

Material Safety Data Sheet



Issue date 8 July 2013

1. IDENTIFICATION

Product Name: **Patch up Product Lawn Turf Paint**

Other means of identification:

UN 1950, AEROSOLS, FLAMMABLE, nos, (each not exceeding 1L in capacity) 2.1 LTD QTY

Recommended use: Line striping paint for athletic fields, parking lots

Prepared by: Safety Department

Source: US Specialty Coatings / 1000 McFarland 400 Blvd / Alpharetta, GA 30004 USA

Imported by: Patch up Products Limited, 205 Hastings Street South, Hastings 4122

Company Phone Number: + 64 6 8703200 or Freephone 0800 111 001

Emergency Telephone Number (24 Hours): Poison Centre 0800 764 766

2. HAZARD STATEMENTS



Signal word: Danger

Hazard Statements:

Extremely flammable liquid and vapour. Contents Under Pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Vapours may cause flash fire or explosion. Harmful if swallowed.

Appearance: Aerosol (in steel can) containing white, black or coloured paints
Physical state: Liquid under pressure

Precautionary Statements: **PREVENTION**

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Wear protective gloves/protective clothing/eye protection/face protection

Use in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray

Keep away from heat/sparks / open flames / hot surfaces.

For indoor use: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Prevent build-up of vapours: open all doors and windows to achieve cross-ventilation. Use explosion-proof ventilation equipment.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapour cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection.

Use impervious gloves to prevent skin contact and absorption through the skin.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

IN CASE OF FIRE extinguish with CO₂, dry chemical, foam, water fog

Precautionary Statements: **RESPONSE**

Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes.

Remove contacts lenses if present after 5 minutes. Get medical attention.

Skin Contact: Wash with soap and water. Solvents evaporate quickly.

Inhalation: Leave the area to obtain fresh air. Get medical attention if you feel unwell.

Ingestion: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

Precautionary Statements: **STORAGE**

Store locked up. Store in a well-ventilated place.

Precautionary Statements: **DISPOSAL**

Dispose of contents/container at an approved waste disposal plant.

Hazards not otherwise classified (HNOC): Not Applicable

Other Information:

3. COMPOSITION / INFORMATION on INGREDIENTS

Chemical Name	CAS No	Weight-%
Liquefied petroleum	68476-86-8	20-30
Mineral spirits	8052-41-3	20-30
Titanium dioxide	13463-67-7	10-15
Polymeric binder	-	20-30
Water		

4. FIRST AID MEASURES

INHALATION: Move victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if you feel unwell.

EYE CONTACT: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Get immediate medical advice/attention.

INGESTION: (Unlikely) Rinse mouth. DO NOT induce vomiting (aspiration risk).
Drink 1/2 cup water, citrus fruit juice, or milk. Call a physician or poison control center immediately.

SKIN CONTACT: Wash off immediately with soap and water. Remove /Take off contaminated clothing and wash contaminated clothing before reuse.

Most important symptoms both acute and delayed:

Causes eye irritation. Prolonged or repeated contact may cause skin irritation. May cause slight skin irritation. High vapour concentrations are irritating to the eyes, nose, throat and lungs. Avoid breathing vapours or mists. High gas, vapour, mist or dust concentrations may be harmful if inhaled. Harmful if inhaled. Substance may be harmful if swallowed.

Chronic Hazards: May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

4. FIRE FIGHTING MEASURES

EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective.

Vapours may form explosive mixtures with air. Vapours can travel to a source of ignition and flash back. Keep containers tightly closed.

Isolate from heat, electrical equipment, sparks and open flame.

Perforation of the pressurized container may cause bursting of the can.

Special Fire fighting Procedures: Evacuate area and fight fire from a safe distance. Extinguishing Media: Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: FLASH POINT IS LESS THAN 6.6°C.

Closed containers may explode when exposed to extreme heat. Contaminated rags, wipes, sawdust, etc. may catch fire spontaneously. Store waste in closed metal containers until disposed of in compliance with all applicable regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment as required. Remove all sources of ignition. Spills may be slippery. Prevent foot traffic.

Environmental precautions: Do not discharge outside. Do not permit to escape directly into creeks or other natural waterways.

Methods for containment. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up large spills: Reclaim liquid with mop and bucket. Filter and save for some use where quality is not critical.

Methods for cleaning up small spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean up in accordance with all applicable regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Do not breathe fume /gas /mist /vapours /spray. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Storage Conditions: Keep containers in a dry, cool and well-ventilated place.

Keep locked up and out of reach of children and pets. Protect from direct sunlight.

Store at 4.5-35°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH TLV	OSHA PEL	NIOSH REL
Mineral spirits CAS # 8052-41-3	100 ppm (525 mg/m ³) TWA	500 ppm (2,900 mg/m ³) TWA	350 mg/m ³ TWA 1,800 mg/m ³ 15-min. CEILING
Liquefied petroleum CAS # 68476-85-7	1,000 ppm (1,800 mg/m ³) TWA	1,000 ppm (1,800 mg/m ³) TWA	1,000 ppm (1,800 mg/m ³) TWA Revised IDLH: 2,000 ppm [LEL]

ACGIH TLV American Conference of Governmental Industrial Hygienists / Time Limit Value

OSHA PEL Occupational Safety and Health / Permissible Exposure Limit

NIOSH REL National Institute of Occupational Safety and Health / Recommended Exposure Limit

IDHL Immediately Dangerous to Life or Health Concentration

Appropriate Engineering Controls:

Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, Appropriate Personal Protective Equipment:

Eye/ face protection: Wear approved splash goggles.

Skin and body protection: Wear nitrile or neoprene gloves.

Respiratory protection: Under normal exterior conditions, respirator is not required.

General Hygiene: Handle in accordance with good industrial hygiene and safety practice.



9. PHYSICAL AND CHEMICAL PROPERTIES

pH Not applicable

Melting point/freezing point (for propellant) -187 °C (-305 °F)

Initial boiling point & range (for propellant) -0.5 °C (31.1 °F) at 1,013.25 hPa

Flash point (for propellant) < -60 °C (< -76 °F) Method: ASTM D 92

Evaporation rate: faster than water

Flammability (solid, gas) Gas

Lower flammability limit (for propellant) 1.8 % (V)

Upper flammability limit (for propellant) 8.5 % (V)

Vapour pressure (for propellant) 2,399.8 hPa at 20 °C (68 °F)

Vapour density (for propellant) 2.007 at 21.1 °C (70.0 °F) (Air =

1.0) Relative density (water =1): Less than 1

Solubility (H₂O) Negligible

Solubility in other solvents: Yes (petroleum solvents)

Partition coefficient, Auto ignition temperature, Decomposition temperature

Kinematic viscosity, Dynamic viscosity, Explosive properties, Oxidizing properties:
not determined

Material Safety Data Sheet pg 2/2

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions

Chemical stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Incompatible materials. Heat.

Incompatible materials: Bleach. Strong acids.

Hazardous Decomposition Products: Carbon oxides. Others not determined.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation: Harmful if inhaled.

Eye contact: Causes eye irritation.

Skin Contact: Harmful in contact with skin.

Ingestion: Harmful if swallowed (unlikely).

Component Information

	Oral LD50	Dermal LD50	Inhalation LC50
Mineral spirits CAS # 8052-41-3	20,000 mg/kg (rat)	3,900 mg/kg (rabbit)	11,000 mg/m3 (rat)

Liquefied petroleum
CAS # 68476-85-7

> 10,000 ppm (gas)

Information on physical, chemical and toxicological effects: please see section 4 of this SDS for Symptoms

Delayed and immediate effects as well as chronic effects from short and long-term exposure: No known or suspected carcinogens are present in this product.

May cause respiratory irritation. May cause drowsiness or dizziness.

Numerical measures of toxicity - Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical	Algae / Aquatic plants	Fish	Microorganisms	Crustacea
Mineral spirits CAS # 8052-41-3	EC50 (algae) > 1000 mg/L 96-hr EC50 Selenastrum capricornutum (algae) 4700 mg/L 72-hr	Fathead Minnow 800 mg/L	—	daphnia magna > 100 mg/L
Liquefied petroleum CAS # 68476-85-7	ErC50 (algae) > 7.71 mg/l 96-hr			LC50 daphnia > 14.22 mg/l 48 hours

Persistence and degradability: Not determined.

Bioaccumulation: Not determined. Contains no known bioaccumulative ingredients.

Mobility: Not determined.

Chemical Name Partition coefficient
Liquefied petroleum 2.89

Other adverse effects Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: dispose of wastes in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws.

California Hazardous Waste Status: Not determined

14. TRANSPORT INFORMATION

UN ID No Proper Shipping Name (same for DOT, IATA and IMDG) Class
UN 1950 AEROSOLS, FLAMMABLE, nos, (each not exceeding 1L in capacity) 2.1, LTD QTY

Emergency Telephone US INFOTRAC 352-323-3500
(International) 1-800-535-5053 (North America)
Note: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.



Emergency Telephone Number (24 Hours): Poison Centre 0800 764 766

15. REGULATORY INFORMATION

U.S. Federal Regulations:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

All ingredients for this product are listed on the TSCA inventory.

SARA Title III chemicals: None

Hazards for Section 311/312: Acute Health, Fire Hazard, Sudden Release of Pressure

California Prop 65 chemicals: None

CERCLA reportable quantity: None

RCRA hazardous waste no.: D001 (Ignitable)

US State Regulations: U.S. State Right-to-Know Regulations / N/A

16. OTHER INFORMATION

HMIS



0 = minimal risk
1 = slight risk
2 = moderate risk
3 = serious risk
4 = extreme risk

NFPA



Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.