Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name

CitraClean

Synonyms

Citrus Stripper Oil; Terpene Hydrocarbons

Product Code

16-485

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s)

Pre-Buff Cleaner Fluid for Tire Repair

1.3 Details of the supplier of the safety data sheet

Manufacturer

 Patch Rubber Company
 100 Patch Rubber Road Weldon, NC 27890 United States

Telephone (General) (252)-536-2574

Responsible party

Christian Gimenez

Intertek Analytical Services France

France

Telephone (Technical) . 33 (0) 6 07 11 22 15

1.4 Emergency telephone number

Manufacturer

• 1-800-424-9300 - CHEMTREC

Manufacturer

+1 703-527-3887 - CHEMTREC - Outside USA & CANADA (collect calls accepted)

Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010] According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP

Flammable Liquids 3 - H226
 Skin Sensitization 1 - H317
 Eye Irritation 2 - H319

Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335 Hazardous to the aquatic environment Acute 1 - H400

DSD/DPD

Hazardous to the aquatic environment Chronic 1 - H410

Flammable Irritant (Xi)

Dangerous to the Environment (N)

R10, R36/37, R43, R50, R53

2.2 Label Elements CLP

WARNING







Hazard statements . H226 - Flammable liquid and vapour

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation H335 - May cause respiratory irritation

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements

Prevention • P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground and/or bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting/equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing mist/vapours/spray.

P264 - Wash thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid rélease to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response P370+P378 - In case of fire: Use appropriate media for extinction.

P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P321 - Specific treatment, see supplemental first aid information.

P363 - Wash contaminated clothing before reuse.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

P391 - Collect spillage.

Storage/Disposal P235 - Keep cool.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD





Risk phrases .

R10 - Flammable.

R36/37 - Irritating to eyes and respiratory system. R43 - May cause sensitisation by skin contact.

R50 - Very toxic to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

Safety phrases S24 - Avoid contact with skin.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 - Wear suitable gloves.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S57 - Use appropriate containment to avoid environmental contamination.

2.3 Other Hazards

CLP

According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

This product is considered dangerous according to the European Directive 67/548/EEC.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

 Flammable Liquids 3 - H226 Eye Irritation 2A - H319 Skin Sensitization 1 - H317

Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335

2.2 Label elements **OSHA HCS 2012**

WARNING





Hazard statements . Flammable liquid and vapour - H226 May cause an allergic skin reaction - H317 Causes serious eve irritation - H319 May cause respiratory irritation - H335

Precautionary statements

Prevention • Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. - P210 Keep container tightly closed. - P233

Ground and/or bond container and receiving equipment. - P240 Use explosion-proof electrical/ventilating/lighting/equipment. - P241 Use only non-sparking tools. - P242

Take precautionary measures against static discharge. - P243

Avoid breathing mist/vapours/spray. - P261 Wash thoroughly after handling. - P264

Use only outdoors or in a well-ventilated area. - P271

Contaminated work clothing should not be allowed out of the workplace. - P272 Wear protective gloves/protective clothing/eye protection/face protection. - P280

Response In case of fire: Use appropriate media for extinction. - P370+P378

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340

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

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353

If skin irritation or rash occurs: Get medical advice/attention. - P333+P313

Specific treatment, see supplemental first aid information. - P321

Wash contaminated clothing before reuse. - P363

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,

if present and easy to do. Continue rinsing. - P305+P351+P338 If eye irritation persists: Get medical advice/attention. - P337+P313

Storage/Disposal . Keep cool. - P235

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

Store in a well-ventilated place. Keep container tightly closed. - P403+P233 Store locked up. - P405

2.3 Other hazards

OSHA HCS 2012

 Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

 Combustible Liquids - B3 Other Toxic Effects - D2B

2.2 Label elements

WHMIS





Combustible Liquids - B3
 Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

 In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

Chemical Name	ldentifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Citrus Terpene	CAS:94266- 47-4 EINECS:304- 454-3	100%	NDA	EU DSD/DPD: Self Classified - F R10; Xi R36/37 R43; N R50-53 EU CLP: Self Classified - Flam. Liq. 3 H226; STOT SE 3: Resp. Irrit. H336; Skin Sens. 1, H317; Eye Irrit. 2 H315; Aquatic Acute 1 H400; Aquatic Chronic 1 H410 OSHA HCS 2012: Flam. Liq. 3; STOT SE 3: Resp. Irrit.; Skin Sens. 1; Eye Irrit. 2A,	NDA

3.2 Mixtures

 Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

• IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing. Administer oxygen if breathing is difficult. Get medical attention if symptoms occur.

Skin

In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if symptoms occur.

Eye

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

If swallowed, rinse mouth with water (only if the person is conscious) Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

 All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media . CAUTION: For mixtures containing a high percentage of an alcohol or polar solvent, alcohol-resistant foam may be more effective. LARGE FIRES: Water spray, fog or alcohol-resistant foam. SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam.

Unsuitable Extinguishing Media

Avoid the use of streaming water, as this may spread the fire.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

Containers may explode when heated.

Vapor explosion hazard indoors, outdoors or in sewers.

HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.

Many liquids are lighter than water.

Most vapors are heavier than air. They will spread along ground and collect in low or

confined areas (sewers, basements, tanks).

Runoff to sewer may create fire or explosion hazard.

Those substances designated with a "P" may polymerize explosively when heated or

involved in a fire.

Vapors may form explosive mixtures with air.

Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products

May form acrid fumes, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk. LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

CAUTION: Victim may be a source of contamination. Do not touch or walk through

Emergency Procedures

spilled material.

As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

Stop leak if you can do it without risk.

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Use clean non-sparking tools to collect absorbed material. A vapor suppressing foam may be used to reduce vapors.

All equipment used when handling the product must be grounded. LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

6.4 Reference to other sections

 Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

Handle and open container with care. Use good safety and industrial hygiene
practices. Use only in well ventilated areas. Keep away from fire. Keep away from heat
and sparks.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

7.3 Specific end use(s)

Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

8.2 Exposure controls

Engineering Measures/Controls

 Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level

Personal Protective Equipment

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

Wear safety glasses.

Hands

Wear appropriate gloves. Nitrile gloves are recommended.

Skin/Body

Boots, apron, or bodysuit should be worn as necessary.

Environmental Exposure Controls

 Avoid release to the environment. Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description				
Physical Form	Liquid	Appearance/Description	Colorless to pale yellow liquid wit a citrus odor.	
Color	Colorless to pale yellow.	Odor	Citrus odor.	
Odor Threshold	Data lacking			
General Properties				
Boiling Point	349 F(176.1111 C)	Melting Point	-140 F(-95.5556 C)	
Decomposition Temperature	Data lacking	рН	Data lacking	
Specific Gravity/Relative Density	0.838 to 0.843 Water=1	Water Solubility	Immiscible	
Viscosity	Data lacking	Explosive Properties	Data lacking	
Oxidizing Properties:	Data lacking			
Volatility				
Vapor Pressure	< 2 mmHg (torr) @ 68 F(20 C)	Vapor Density	Data lacking	
Evaporation Rate 0.2 n-Butyl Acetate = 1		VOC (Vol.)	> 95 % /722 gm/L	
Flammability				
Flash Point	> 110 F(> 43.3333 C)	UEL	6.1 %	
LEL	.7 %	Autoignition	458 F(236.6667 C)	
Flammability (solid, gas)	Data lacking			
Environmental				
Octanol/Water Partition coefficient	Data lacking			

9.2 Other Information

. No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

 Hazardous polymerization will not occur. To prevent oxidation, avoid long-term exposure to air.

10.4 Conditions to avoid

Keep away from heat, sparks and flame.

10.5 Incompatible materials

 Stong oxidizing agents and strong acids, including acidic clays, peroxides, halogens, vinyl chloride and iodine pentafluoride.

10.6 Hazardous decomposition products

Oxides of citrus terpenes.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

GHS Properties	Classification		
Acute toxicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met		
Aspiration Hazard	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met		
Carcinogenicity	EU/CLP - Classification criteria not met OSHA HCS 2012 - Classification criteria not met		
Germ Cell Mutagenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met		
Skin corrosion/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met		
Skín sensitization	EU/CLP • Skin Sensitizer 1 OSHA HCS 2012 • Skin Sensitizer 1		
STOT-RE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met		
STOT-SE	EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation		
Toxicity for Reproduction EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met			
Respiratory sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met		
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2A		

Route(s) of entry/exposure

Skin, Eye **Potential Health Effects**

Inhalation

Acute (Immediate)

Chronic (Delayed)

Skin

May cause respiratory irritation.

No data available.

Acute (Immediate)

May cause irritation. May cause skin sensitization. Symptoms include redness, and skin rash.

Chronic (Delayed) No data available.

Eye

Acute (Immediate)

Causes serious eye irritation.

Chronic (Delayed)

No data available.

Ingestion

Acute (Immediate)

• Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

No data available.

Section 12 - Ecological Information

12.1 Toxicity

 No information available for this product. May cause long lasting harmful effects to aquatic life. A spill may produce significant toxicity to aquatic organisms and ecosystems. When spilled this product may act as an oil, causing a film, sheen, emulsion or sludge beneath the surface of a body of water.

12.2 Persistence and degradability

This product is expected to be readily biodegradable.

12.3 Bioaccumulative potential

No information available for this product.

12.4 Mobility in Soil

No information available for this product.

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

. No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN2319	Terpene hydrocarbons, n.o.s.	3	III	NDA
TDG	UN2319	TERPENE HYDROCARBONS, N.O.S.	3	111	NDA
IMO/IMDG	UN2319	TERPENE HYDROCARBONS, N.O.S.	3	111	NDA
IATA/ICAO	UN2319	Terpene hydrocarbons, n.o.s.	3	111	NDA

14.6 Special precautions for user

None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, Fire

		State Rigi	nt To Know	
Component	CAS	MA	NJ	PA
Citrus Terpene	94266-47-4	No	No	No

Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS	
Citrus Terpene	94266-47-4	No	No	Yes	Yes	No	
			Inventory (Con	t.)			
Component	C	AS	Japan ENCS	Korea KECL	7	SCA	
Citrus Terpene 94266-47-4		-47-4	No	No		No	

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

· Citrus Terpene 94266-47-4 100% Not Listed

Australia - High Volume Industrial Chemicals List

· Citrus Terpene 94266-47-4 100% Not Listed

Australia - List of Designated Hazardous Substances - Classification

· Citrus Terpene 94266-47-4 100% Not Listed

Environment

Australia - National Pollutant Inventory (NPI) Substance List

· Citrus Terpene 94266-47-4 100% Not Listed

Australia - Ozone Protection Act - Scheduled Substances

· Citrus Terpene 94266-47-4 100% Not Listed

Australia - Priority Existing Chemical Program

· Citrus Terpene 94266-47-4 100% Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances

· Citrus Terpene 94266-47-4 100% Not Listed

Canada - WHMIS - Ingredient Disclosure List

· Citrus Terpene 94266-47-4 100% Not Listed

Environment

Canada - CEPA - Priority Substances List

Citrus Terpene 94266-47-4 100% Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

· Citrus Terpene 94266-47-4 100% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

· Citrus Terpene 94266-47-4 100% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

· Citrus Terpene 94266-47-4 100% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

Citrus Terpene 94266-47-4 100% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

· Citrus Terpene 94266-47-4 100% Not Listed

Mexico

Other

Mexico - Hazard Classifications

· Citrus Terpene 94266-47-4 100% Not Listed

Mexico - Regulated Substances

· Citrus Terpene 94266-47-4 100% Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

· Citrus Terpene 94266-47-4 100% Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

· Citrus Terpene 94266-47-4 100% Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

· Citrus Terpene 94266-47-4 100% Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

· Citrus Terpene 94266-47-4 100% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

· Citrus Terpene 94266-47-4 100% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

· Citrus Terpene 94266-47-4 100% Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

· Citrus Terpene 94266-47-4 100% Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

· Citrus Terpene 94266-47-4 100% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents

· Citrus Terpene 94266-47-4 100% Not Listed

United States - California

Environment⁻

U.S. - California - Proposition 65 - Carcinogens List

· Citrus Terpene 94266-47-4 100% Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

· Citrus Terpene 94266-47-4 100% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

· Citrus Terpene 94266-47-4 100% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

· Citrus Terpene 94266-47-4 100% Not Listed

United States - Pennsylvania

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U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Citrus Terpene 94266-47-4 100% Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

· Citrus Terpene 94266-47-4 100% Not Listed

United States - Rhode Island

·Labor

U.S. - Rhode Island - Hazardous Substance List

· Citrus Terpene 94266-47-4 100% Not Listed

15.2 Chemical Safety Assessment

. No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date Preparation Date Disclaimer/Statement of Liability

- 07/February/2013
- 07/February/2013
- The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

Key to abbreviations
NDA = No data available