



Safety Data Sheet

according to WHS Regulations

Print date: 10.07.2023

Revision date: 10.07.2023

1 Identification

Product Name: CITROSQUEEZE® PPE AND TURNOUT GEAR CLEANER**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** PPE and turnout gear cleaner.**Details of Manufacturer or Importer:**Pac Fire Australia Pty Ltd
62 Link Drive
Yatala, QLD 4207**Phone Number:** 07 3441 7100**Emergency telephone number:** 07 3441 7100

2 Hazard(s) Identification

Hazardous Nature:

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS). Not classified as hazardous according to the Safe Work Australia criteria.

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Signal Word None**Hazard Statements**

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 5989-27-5	D-Limonene ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Corrosion/Irritation 2, H315; Skin Sensitisation 1B, H317	<10%
CAS: 9016-45-9	Nonylphenol, ethoxylated ⚠ Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315; Eye Irritation 2A, H319	<10%
CAS: 111-76-2	Ethanol, 2-butoxy- ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Eye Irritation 2A, H319; STOT SE 3, H335; Flammable Liquids 4, H227	<10%
CAS: 68333-82-4	Amides, coco, N-(2-hydroxypropyl) ⚠ Eye Damage 1, H318; ⚠ Skin Corrosion/Irritation 2, H315; Aquatic Acute 2, H401; Aquatic Chronic 3, H412	<10%
Non Hazardous Components:		
CAS: 7732-18-5	Water	70-95%

(Contd. on page 2)

Safety Data Sheet

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Product Name: CITROSQUEEZE® PPE AND TURNOUT GEAR CLEANER

(Contd. of page 1)

4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin irritation, wash affected areas with water and soap. Seek medical attention if irritation persists.

Eye Contact:

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water to drink in small sips. Never give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.

Symptoms Caused by Exposure:

Inhalation: No adverse health effects expected.

Skin Contact: No adverse health effects expected.

Eye Contact: May cause eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

No hazardous decomposition products known.

Product is not flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective equipment. Keep unprotected persons away. Take care as spill may cause a slip hazard. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Inform respective authorities in case of seepage into water course or sewage system.

Methods and Materials for Containment and Cleaning Up:

Wipe up small spills with a paper towel or dry rag. Clean up all spills immediately, since spilled materials, even in small quantities, may present a slip hazard. Absorb large spills with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Decontaminate spill area with water.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye contact and inhalation of spray mists.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

(Contd. on page 3)

Safety Data Sheet

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Print date: 10.07.2023

Revision date: 10.07.2023

Product Name: CITROSQUEEZE® PPE AND TURNOUT GEAR CLEANER

(Contd. of page 2)

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Avoid freezing. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents and strong acids.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 111-76-2 Ethanol, 2-butoxy-**

WES	STEL: 242 mg/m ³ , 50 ppm TWA: 96.9 mg/m ³ , 20 ppm Sk
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Engineering Controls: Ensure adequate ventilation of the working area.**Respiratory Protection:**

Respiratory protection is not required under normal use conditions.

Use an approved mixed type organic vapour / particulate respirator (types A and P) under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Protective gloves. Recommended materials: nitrile, neoprene, butyl rubber, PVA. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Opaque
Odour:	Citrus
Odour Threshold:	No information available
pH-Value:	8.5-9.0
Melting point/freezing point:	0 °C
Initial Boiling Point/Boiling Range:	91 °C
Flash Point:	>100 °C
Flammability (solid, gas):	Not flammable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density:	>1 (water = 1)
Vapour Density:	No information available
Evaporation Rate:	<1 (n-butyl acetate = 1)
Solubility in Water:	Miscible in all proportions

(Contd. on page 4)

Safety Data Sheet

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Print date: 10.07.2023

Revision date: 10.07.2023

Product Name: CITROSQUEEZE® PPE AND TURNOUT GEAR CLEANER

(Contd. of page 3)

Partition Coefficient (n-octanol/water): No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.**Chemical Stability:** Stable at ambient temperature and under normal conditions of storage and use.**Conditions to Avoid:** Freezing. Heat, sparks, open flames and other sources of ignition.**Incompatible Materials:** Strong oxidising agents and strong acids.**Hazardous Decomposition Products:** No hazardous decomposition products known.

11 Toxicological Information

Toxicity:**LD50/LC50 Values:****CAS: 5989-27-5 D-Limonene**

Oral LD50 4,400 mg/kg (Rattus norvegicus (rat))

CAS: 111-76-2 Ethanol, 2-butoxy-

Oral LD50 1,480 mg/kg (Rattus norvegicus (rat))

LD50 400 mg/kg (rabbit)

Acute Health Effects**Inhalation:** No adverse health effects expected.**Skin:** No adverse health effects expected.**Eye:** May cause eye irritation.**Ingestion:** May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:**

Based on classification principles, the classification criteria are not met. However, individuals prone to skin allergies or with existing skin conditions should avoid contact with skin.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.**Carcinogenicity:** Based on classification principles, the classification criteria are not met.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Harmful to aquatic life with long lasting effects.

(Contd. on page 5)

Safety Data Sheet

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Print date: 10.07.2023

Revision date: 10.07.2023

Product Name: CITROSQUEEZE® PPE AND TURNOUT GEAR CLEANER

(Contd. of page 4)

CAS: 5989-27-5 D-Limonene	
EC50/48 h	0.36 mg/l (Daphnia magna (water flea))
LC50/96 h	0.72 mg/l (Pimephales promelas (fathead minnow))
CAS: 9016-45-9 Nonylphenol, ethoxylated	
EC50	12.2-17 mg/l (Daphnia magna (water flea))
LC50/96 h	1-9.7 mg/l (Lepomis macrochirus (bluegill))
CAS: 111-76-2 Ethanol, 2-butoxy-	
EC50/48 h	>1,000 mg/l (Daphnia magna (water flea))
LC50/96 h	1,490 mg/l (Lepomis macrochirus (bluegill))

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not a scheduled poison.

16 Other Information

Date of Preparation or Last Revision: 10.07.2023**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 3: Flammable liquids – Category 3

Flammable Liquids 4: Flammable liquids – Category 4

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Eye Damage 1: Serious eye damage/eye irritation – Category 1

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

(Contd. on page 6)

Safety Data Sheet

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(Contd. of page 5)

Skin Sensitisation 1B: Skin sensitisation, Hazard Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aspiration Hazard 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020”.

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