

# SAFETY DATA SHEET

**CITRA FORCE AEROSOL**

Infosafe No.: GEN2W  
Version No.: 2.0  
ISSUED Date : 20/02/2020  
ISSUED by: Lanotec Australia Pty Ltd

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

CITRA FORCE AEROSOL

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

Cleaning/degreasing aerosol

#### Uses Advised Against

-

#### Reasons why uses advised against

-

### 1.3. Details of the supplier of the safety data sheet: Company Name

Lanotec Australia Pty Ltd(Business Registration No. 87096795621)

#### Address

Unit 79 57-101 Balham Road Archerfield  
QLD 4108 AUSTRALIA

#### Telephone/Fax Number

Telephone: +61 (07) 3373 3700 Fax number: +61 (07) 3373 3777

### 1.4. Emergency Telephone Number

+61 417 638 004 (24/7)

#### Additional Information

Importer:

Company Name  
Lanogreen

#### Address

Unit G2, Clane Business Park, Clane, Co Kildare, IRELAND

#### Telephone/Fax Number

00353 894823504

#### Emergency phone number

00353 894823504 (9am to 5pm)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation 1272/2008

Aerosol: Category 1

#### Hazard Statement (s)

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

## Information concerning particular hazards for human and environment

No further relevant information available.

### 2.2. Label Elements

#### Pictogram (s)

Flame



#### Signal Words

DANGER

#### Hazard Statement (s)

H222 Extremely flammable aerosol.

H229 Pressurized container: may burst if heated.

#### Precautionary statement – Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

#### Precautionary statement – Storage

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 2.3. Other Hazards

PBT: Not available

vPvB: Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Yes

#### Description

An organic Methyl Ester, industrial-strength cleaner and natural degreaser dispensed as an aerosol spray.

Name	CAS	EINECS	Proportion	Hazard Statement (s)
Butane	106-97-8	203-448-7	0-40 %	H220
Propane	74-98-6	200-827-9	0-40 %	H220
Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether	166736-08-9	605-450-7	1-2 %	H302, H319
Alcohols, C9-11, ethoxylated propoxylated	103818-93-5	600-492-2	1-2 %	H302, H319
Ingredients determined not to be hazardous			Balance	

#### Other Information

See Section 16 'Other Information' for Full text of each relevant Hazard statement.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures: Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

#### Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

## Eye

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

## Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## Advice to Doctor

Treat symptomatically.

## First Aid Facilities

Eyewash and normal washroom facilities.

## Other Information

For advice in an emergency, contact a Poisons Information Centre or a doctor at once.

## SECTION 5: FIREFIGHTING MEASURES

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### 5.1. Extinguishing Media

Carbon dioxide, dry chemical or foam. Alcohol-resistant foam.

### Unsuitable Extinguishing Media

Do not use water jet.

Will emulsify.

### 5.2. Special hazards arising from the substance or mixture

Contents under pressure - cans can explode in a fire. This product is extremely flammable. Keep containers and fire-exposed surfaces cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

### Hazardous Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including organic compounds, carbon monoxide, carbon dioxide and oxides of nitrogen.

### 5.3. Advice for firefighters

No action shall be taken involving any personal risk or without suitable training. Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Do not discharge extinguishing waters into the aquatic environment. Collect contaminated fire extinguishing water separately. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

Observe standard operating procedures for managing a blaze involving chemicals which can emit toxic vapours. There are chemical reactions that can take place through hydrolysis (reactions with water vapour) creating corrosive mixtures, and vapour hazards. Heat and flame will accelerate the oxidation process which can result in hazardous decomposition mixtures: carbon dioxide and carbon monoxide.

### Decomposition Temperature

Not available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### 6.1. Personal precautions, protective equipment and emergency procedures

Extinguish or remove all sources of ignition and stop leak if safe to do so. Stay upwind. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Water spray or fog may be used to disperse/absorb vapour if any. Place inert, non-combustible absorbent material onto spillage. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Collect residues and seal in labelled drums for disposal. Prevent entry into sewers, water courses, basements or confined areas. Take measures to minimise the effect on the ground water. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

## 6.2. Environmental Precautions

Refer to Section 6: Personal precautions, protective equipment and emergency procedures.

## 6.3. Methods and material for containment and cleaning up

Refer to Section 6: Personal precautions, protective equipment and emergency procedures.

## 6.4. Reference to other sections

Refer to Section 8 & 13

# SECTION 7: HANDLING AND STORAGE

## 7.1. Precautions for safe handling

FLAMMABLE. VAPOUR OR GAS REDUCES OXYGEN FOR BREATHING. IN CONFINED SPACES MAY CAUSE ASPHYXIATION. Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. DO NOT store or use in confined spaces. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Build up of mists or vapours in the atmosphere must be prevented. Do NOT cut or heat containers as they may contain hazardous residues. Do not smoke. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities. Take off contaminated clothing and wash it before reuse.

## 7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents, foodstuffs, clothing and out of direct sunlight. Do not expose can to temperatures exceeding 50°C. Protect containers against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Do NOT pressurise, cut or heat aerosol containers. Content is under pressure and can explode violently. Ensure that storage conditions comply with applicable local and national regulations.

## 7.3. Specific end use(s)

No further relevant information available.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Butane	ACGIH	STEL	1000	ppm	Explosion hazard, CNS impair
Butane	Ireland OELs List	STEL	1000	ppm	

## Biological Limit Values

No biological limits allocated.

## 8.2. Exposure Controls: Appropriate engineering controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

## Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Recommended Materials: Type A filter material

## Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

## Eye/Face Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

### Other Information

Supplier's information:

Recommendation of Occupational Exposure Limits

Liquid component

TWA: 5 mg/m<sup>3</sup>

STEL: 5 mg/m<sup>3</sup>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Butane and propane are asphyxiant gases which when present in an atmosphere in high concentration, lead to reduction of oxygen concentration by displacement or dilution. It is not appropriate to recommend an exposure standard for each simple asphyxiant, rather it should be required that a sufficient oxygen concentration be maintained.

### Footwear

Wear safety footwear. Final choice will vary according to individual circumstances.

### Thermal Hazards

No further relevant information available.

### Environmental Exposure Controls

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1. Information on basic physical and chemical properties: Appearance

Clear orange, mobile liquid\*

#### Colour

Orange\*

#### Form

Aerosol - Liquid

#### Odour

Not available

#### Odour Threshold

Not available

#### pH Value

Not available\*

#### Vapour Pressure

Not available\*

#### Boiling Point and boiling range

> 150 °C\*

#### Melting Point

Not available

#### Solubility in Water

Miscible\*

#### Solubility in Organic Solvents

Hydrocarbons, organic solvents\*.

#### Density

1.02 g/mL\*

#### Flash Point

> 62 °C\*

**Flammable Limits - Upper**

Not available

**Flammable Limits - Lower**

Not available

**Flammability**

Extremely flammable aerosol.

**Auto-Ignition Temperature**

> 250 °C\*

**Decomposition Temperature**

Not available

**Explosive Properties**

Not available

**Oxidising Properties**

Not available

**Viscosity**

Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity

**Kinematic Viscosity**

Not available

**Dynamic Viscosity**

Not available

**Evaporation Rate**

Not available

**Vapour Density (Air=1)**

Not available

**Volatile Component**

Not available

**Partition Coefficient: n-octanol/water**

Not available

**9.2. Other Information**

\*Liquid

## SECTION 10: STABILITY AND REACTIVITY

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**10.1. Reactivity**

Based on the composition not expected to be reactive.

**10.2. Chemical stability**

Stable under normal conditions of storage and handling.

**10.3. Possibility of hazardous reactions**

Reacts with incompatible materials.

**10.4. Conditions to Avoid**

Heat, open flames and other sources of ignition. Incompatible materials.

**10.5. Incompatible materials**

Strong oxidising agents, acids and bases.

**10.6. Hazardous decomposition products**

Thermal decomposition may result in the release of toxic and/or irritating fumes including: organic compounds, carbon monoxide, carbon dioxide and oxides of nitrogen.

**Hazardous Polymerization**

Not available

## SECTION 11: TOXICOLOGICAL INFORMATION

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### 11.1. Information on toxicological effects

Toxicity data for material given below.

#### Acute Toxicity - Oral

Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether

Acute Toxicity Estimate: 300 - 2000 mg/kg bw

Alcohols, C9-11, ethoxylated propoxylated

Acute Toxicity Estimate: 300 - 2000 mg/kg bw

#### Acute Toxicity - Dermal

Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether

Acute Toxicity Estimate: > 2000 mg/kg bw

Alcohols, C9-11, ethoxylated propoxylated

Acute Toxicity Estimate: > 2000 mg/kg bw

#### Acute Toxicity - Inhalation

Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether

Acute Toxicity Estimate (gas): > 20000 ppm

Acute Toxicity Estimate (vapour): > 20.0 mg/L

Acute Toxicity Estimate (dust and mist): > 5.0 mg/L

Alcohols, C9-11, ethoxylated propoxylated

Acute Toxicity Estimate (gas): > 20000 ppm

Acute Toxicity Estimate (vapour): > 20.0 mg/L

Acute Toxicity Estimate (dust and mist): > 5.0 mg/L

#### Skin Sensitisation

Not expected to be a skin sensitiser.

#### Carcinogenicity

Not considered to be a carcinogenic hazard.

#### Reproductive Toxicity

Not considered to be toxic to reproduction.

#### Aspiration Hazard

Not expected to be an aspiration hazard.

#### STOT-single exposure

Not expected to cause toxicity to a specific target organ.

#### STOT-repeated exposure

Not expected to cause toxicity to a specific target organ.

#### Germ cell mutagenicity

Not considered to be a mutagenic hazard.

#### Respiratory sensitisation

Not expected to be a respiratory sensitiser.

#### Inhalation

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Butane and propane are asphyxiant gases which when present in an atmosphere in high concentration, leads to reduction of oxygen concentration by displacement or dilution. Symptoms include decreased visual acuity, decreased coordination and judgment, headache, dizziness, confusion, drowsiness, fatigue, shortness of breath, muscular weakness, convulsions, unconsciousness, coma and eventually death.

#### Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

#### Skin

May be irritating to skin. The symptoms may include redness, itching and swelling.

### **Serious Eye Damage/Irritation**

May be irritating to eyes. The symptoms may include redness, itching and tearing.

### **Other Information**

Prolonged or repeated skin contact may lead to irritant contact dermatitis. Prolonged or repeated skin contact may lead to allergic contact dermatitis and sensitisation in some individuals. Persons with pre-existing skin disorders may be more susceptible to the effect of this material.

## **SECTION 12: ECOLOGICAL INFORMATION**

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### **12.1. Toxicity**

Based on information for component(s): Liquid

The available ecological data is given below.

### **12.2. Persistence and degradability**

This product is expected to biodegrade within 28 days.

### **12.3. Bioaccumulative potential**

Not available

### **12.4. Mobility in soil**

Not available

### **12.5. Results of PBT and vPvB assessment**

PBT: Not classified

vPvB: Not classified

### **12.6. Other adverse effects**

Not available

### **Acute Toxicity - Fish**

LC50 (fish): > 100 mg/L

### **Acute Toxicity - Daphnia**

EC50 ( Daphnia magna ): > 100 mg/L

### **Acute Toxicity - Algae**

Blue-green algae: > 100 mg/L

IC50 (Green algae): > 100 mg/L

### **Environmental Protection**

Prevent this material entering waterways, drains and sewers.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

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### **13.1. Waste treatment methods**

Dispose of waste according to applicable local and national regulations. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Advise flammable nature.

### **Local Legislation**

Classification of waste is always the responsibility of the end user.

## **SECTION 14: TRANSPORT INFORMATION**

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### **14.1. UN number**

1950

### **14.2. UN proper shipping name**

Aerosols, flammable

### **14.3. Transport Hazard Class(es)**

2.1

### **14.6. Special precautions for user**

Not available



**IMDG UN No**

1950

**IMDG Proper Shipping Name**

AEROSOLS

**IMDG Hazard Class**

2.1

**14.5. Environmental Hazards: Imdg Marine Pollutant**

No

**UN Number (Air Transport, IATA)**

1950

**IATA Proper Shipping Name**

Aerosols, flammable

**IATA Hazard Class**

2.1

**IATA Symbol**

Flammable Gas

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not available

**SECTION 15: REGULATORY INFORMATION**

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

Not available

**15.2. Chemical safety assessment**

Not available

**SECTION 16: OTHER INFORMATION**

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**SDS History**

SDS Reviewed: February 2020, Supersedes: February 2020

**Full text of relevant hazard statement**

H220 Extremely flammable gas.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

**Other Information**

Not available

**References**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Regulation EC 1907/2006 of the European Parliament and the Council on the Registration, Evaluation, Authorisation and restriction of Chemicals (REACH), Annex II: Guide to the compilation of Safety Data Sheets, amended by EC Regulation 453/2010.

COUNCIL DIRECTIVE 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Code of Practice for the Chemical Agents Regulations.

Safety, Health and Welfare at Work (Chemical Agents) Regulations.

Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

**END OF SDS**

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