

# SAFETY DATA SHEET

**APPLIED CITRA LF**

Infosafe No.: 5AP5N  
ISSUED Date : 05/01/2015  
ISSUED by: ITW POLYMERS & FLUIDS

## 1. IDENTIFICATION

**GHS Product Identifier**

APPLIED CITRA LF

**Product Code**

A8350

**Company Name**

ITW POLYMERS & FLUIDS (ABN 63 004 235 063)

**Address**

100 Hassall Street Wetherill Park  
NSW 2164 Australia

**Telephone/Fax Number**

Tel: 1800 063 511; +61 2 9757 8800

Fax: 1800 803 596; +61 2 9757 3855

**Emergency phone number**

1800 385 556 / 0438 465 960

**E-mail Address**

info@itwpcf.com.au

**Recommended use of the chemical and restrictions on use**

Citrus degreaser and deodorizer.

**Other Names**

| Name     | Product Code |
|----------|--------------|
| CITRA LF | A8350        |

**Disclaimer**

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Websites:

www.itwpcf.com.au

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Fluid Chemicals NZ

5A Andrew Baxter Drive, Airport Oaks, Auckland, 2150

Postal Address: P.O. Box 201185 , Auckland Airport, 2150, New Zealand

EMERGENCY TEL: 0800 154 666

## 2. HAZARD IDENTIFICATION

**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

Flammable Liquids: Category 3

Sensitization - Skin: Category 1B

Skin Corrosion/Irritation: Category 2

**Signal Word (s)**

WARNING

**Hazard Statement (s)**

Flammable liquid and vapour.

Causes skin irritation.

May cause an allergic skin reaction.

**Pictogram (s)**

Flame, Exclamation mark



**Precautionary statement – Prevention**

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

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

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash contaminated skin thoroughly after handling.

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

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

**Precautionary statement – Response**

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

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

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

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

**Precautionary statement – Storage**

Store in a well-ventilated place. Keep cool.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients**

| Name   | CAS         | Proportion |
|--|-------------|------------|
| Emulsifiers and anti-oxidants determined not to be hazardous | Proprietary | 1-10 %     |
| Limonene   | 138-86-3    | 30-<45 %   |
| d-Limonene   | 5989-27-5   | 45-<60 %   |

### 4. FIRST-AID MEASURES

**Inhalation**

In case of overexposure, move exposed person to fresh air at once. Keep warm and at rest until fully recovered. Do NOT give anything to drink. If person is having difficulty breathing, seek immediate medical attention.

### **Ingestion**

Keep person calm. If swallowed, DO NOT induce vomiting. Do NOT give anything to drink. Seek medical attention. If vomiting occurs, keep head below hip level to prevent vomit entering lungs.

### **Skin**

Remove any source of further contamination (such as contaminated clothing). Flush the affected area with water as soon as possible.

Continue to flush until:

All of the substance is removed.

Do NOT scrub the skin roughly.

Do NOT use any solvent (e.g. soap, acetone, mineral turpentine).

### **Eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Remove contact lenses if worn. Seek medical attention immediately.

### **First Aid Facilities**

Eye wash fountains and safety showers should be available for emergency use.

### **Advice to Doctor**

Introduction of hydrocarbon solvents into the lungs, as in aspiration of vomit, may produce chemical pneumonia and may contraindicate use of gastric lavage. Depending on the quantities ingested and the patient's reaction and symptoms, lavage may be indicated. Use endotracheal intubation. Exercise caution. Contact Poisons Information Centre.

### **Other Information**

Skin: There is animal and human evidence of sensitisation by skin contact with oxidised limonene.

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## **5. FIRE-FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Use water fog or spray, foam, dry chemical or carbon dioxide. Water spray can be used to cool containers and disperse vapours.

### **Hazards from Combustion Products**

Carbon monoxide and carbon dioxide.

### **Special Protective Equipment for fire fighters**

Full protective clothing and self-contained breathing apparatus.

### **Specific Methods**

If safe to do so, remove containers from path of fire. Keep containers cool with water spray.

### **Specific Hazards Arising From The Chemical**

Vapour may form explosive mixtures with air at or above 45 deg C. The vapour is heavier than air and may spread along the ground and collect in drains and low lying areas.

### **Hazchem Code**

3[Y]

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## **6. ACCIDENTAL RELEASE MEASURES**

### **Emergency Procedures**

Eliminate all ignition sources and do not smoke. Ensure all personnel involved in the clean up are wearing protective clothing as outlined in Section 8: Personal Protection. Ventilate area thoroughly. Stop leak if safe to do so.

### **Methods And Materials For Containment And Cleaning Up**

Small spills can be wiped up. Rags or other combustible material that have been used to soak up the spill may ignite spontaneously. Used rags should be soaked in water or stored in closed metal containers.

Large spills should be absorbed by dirt, sand or other non-combustible absorbent. Do NOT use sawdust. Place used absorbent into clean labelled containers for disposal. Wash down area with detergent and water. Ensure area is not slippery before allowing personnel back into the area.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Keep out of the reach of children. Adverse health effects would not be expected under recommended conditions of use so long as prescribed safety precautions are practised.

### Conditions for safe storage, including any incompatibilities

Store away from heat, sparks, open flame or any source of ignition. Store away from strong oxidising compounds and acids, in a cool, well ventilated flammable liquids' storage area, away from direct sunlight.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No Exposure Limit Established

### Biological Limit Values

No biological limit values allocated to this product or its ingredients.

### Appropriate Engineering Controls

Use product in well ventilated areas where appropriate. Limit exposure to all chemical products, and use safe work practices.

### Respiratory Protection

Keep face away from spray mists and do not breathe vapours. If ventilation inadequate, wear a properly fitting approved half - face cartridge respirator suitable for organic vapours complying with AS/NZS 1715 and AS/NZS 1716. For emergency situations involving high vapour concentrations use self contained breathing apparatus.

### Eye Protection

Avoid getting mists, vapour or liquid in eyes. If dealing with large spill or handling concentrate, wear approved splash-proof safety glasses/goggles if eye contact may occur, especially if contact lenses are worn.

### Hand Protection

Wear nitrile gloves or gloves with proven resistance to the ingredients listed.

### Personal Protective Equipment

The following personal protective equipment should be worn.

Safety glasses.

Enclosed footwear.

Chemically resistant gloves.

Appropriate protective clothing.

### Body Protection

In the event of large spills, wear full body clothing to prevent skin contact (e.g. overalls, long sleeved shirt, pants) and protective boots/shoes made from solvent resistant materials. Remove and launder soiled clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

A clear pale yellow liquid.

### Odour

Citrus orange odour.

### Solubility in Water

Emulsifiable

### Specific Gravity

Approx. 0.85

### pH

pH (DILUTION OF) : 7.5-8.5 (1:100)

### Vapour Pressure

Approx. 0.4mm Hg

**Flash Point**

Approx 45°C(TCC)

**Flammability**

Flammable. Keep away from heat, sparks, open flame, hot surfaces or any source of ignition. Ensure ventilation is adequate to prevent build - up of vapours.

**Auto-Ignition Temperature**

Not determined

**Flammable Limits - Lower**

0.7%

**Flammable Limits - Upper**

6.1%

**Cloud Point**

<4°C

## 10. STABILITY AND REACTIVITY

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**Chemical Stability**

Stable under normal use conditons.

**Conditions to Avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong acids.

Oxidising agents

## 11. TOXICOLOGICAL INFORMATION

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**Ingestion**

Concentrate may produce mouth, throat and stomach irritation, nausea, cramps, vomiting and diarrhoea. Aspiration into the lungs may cause lung damage.

**Inhalation**

Vapour or mists may be irritating to the respiratory system. Readily absorbed by inhalation. Strong odour causes discomfort to some people.

**Skin**

Irritating to skin, resulting in redness, itching and inflammation. Skin which is defatted by repeated exposure to natural solvents is more susceptible to irritation, infection and dermatitis. Avoid contact with skin.

**Eye**

Overexposure to concentrate can lead to irritation characterized by redness, watering and/or itching. Avoid contact with eyes.

**Skin Sensitisation**

Oxidation by-products of d-limonene are considered by Safe Work Australia to be skin sensitisers. Any individual with a known allergy to citrus fruits and their products should avoid skin contact with this product.

**Chronic Effects**

Repeated or prolonged exposure to this material will result in skin and respiratory irritation. Chronic health effects may include kidney damage.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

Very toxic, LC/EC50<1 mg/l, to aquatic organisms

**Persistence and degradability**

Not readily biodegradable.

**Mobility**

Emulsifies with water.

**Acute Toxicity - Fish**

For D-Limonene

LC50 96h Fish <1mg/L

**Acute Toxicity - Daphnia**

For D-Limonene

EC50hDaphnia <1mg/L

**Acute Toxicity - Algae**

For D-Limonene

IC50 75h Algae <1mg/L

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## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal**

Do not hose spills to drains, sewers or waterways as d-limonene may be toxic to aquatic organisms. Suitable for incineration by approved agent. Dispose to a licensed waste contractor.

**Container Disposal**

Residues may cause an explosion hazard. Do not puncture cut or weld uncleaned drums.

Keep container labelled until cleaned and then remove or deface labels.

Ensure empty containers are clean and dry before disposal, otherwise must be disposed as for hazardous waste.

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## 14. TRANSPORT INFORMATION

**Transport Information**

Class 3 - Flammable Liquids are incompatible in a placard load with any placard load with any of the following:

- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2 Spontaneously Combustible Substances
- Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides
- Class 7 Radioactive Substances.

**U.N. Number**

2319

**UN proper shipping name**

TERPENE HYDROCARBONS, N.O.S.(CONTAINS d-LIMONENE + LIMONENE)

**Transport hazard class(es)**

3

**Packing Group**

III

**Hazchem Code**

3[Y]

**EPG Number**

3A1

**IERG Number**

15

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## 15. REGULATORY INFORMATION

**Poisons Schedule**

S5

**Australia (AICS)**

All ingredients listed.

## 16. OTHER INFORMATION

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### Date of preparation or last revision of SDS

Replaces MSDS dated 23/11/2009

### References

Australian Code for the Transport of Dangerous Goods by Road and Rail.

International Maritime Dangerous Goods Code.

International Air Transport Association Dangerous Goods Regulations.

Globally Harmonised System of Classification and Labelling of Chemicals,ST/SG/AC.10/30, United Nations 2003

Supplier Safety Data Sheets

### Contact Person/Point

This Safety Data Sheet summarises at the date of issue to the best of our knowledge, the health and safety hazards of the product and how to safely handle and use the product.

As ITW Polymers & Fluids cannot anticipate or control the conditions under which the product is used, customers are encouraged, prior to usage, to assess and control the risks associated with their use of the product.

Data sheets from unauthorised sources may contain information that is no longer current or accurate.

This SDS is valid for 5 years from date of issue. However, this version may be revoked and revised at any time, and users should contact ITW Polymers & Fluids to ensure they are in possession of the latest version.

### Signature of Preparer/Data Service

AMS

## END OF SDS

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