

## Citro 100

MSDS Number: A291B

Revision Date: 2/24/15

Page 1 of 10

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Wechem, Inc  
5734 Susitna Dr  
Harahan, LA 70123

**Contact:** Ligia M. Hernandez  
**Phone:** 504-733-1152  
**Fax:** 504-733-2218  
**Web:** www.wechem.com

**Product Name:** Citro 100  
**Revision Date:** 2/24/15  
**MSDS Number:** A291B  
**Product Code:** A291  
**Product Use:** Degreasing Solvent

Emergency Telephone Number:  
INFOTRAC  
1-800-535-5053

### 2 HAZARDS IDENTIFICATION

**Route of Entry:** Eye, inhalation, skin absorption, ingestion  
**Target Organs:** N/A  
**Inhalation:** Prolonged inhalation may be harmful.  
**Skin Contact:** Causes skin irritation. May cause an allergic skin reaction.  
**Eye Contact:** May cause temporary irritation.  
**Ingestion:** May be fatal if swallowed and enters airways.

PERSONAL PROTECTION INDEX													
A												G	
B												H	
C												I	
D												J	
E												K	
F												X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions
A		n		o		p		q		r		s	
t		u		w		y		z		Additional Information			

## Citro 100

MSDS Number: A291B

Revision Date: 2/24/15

Page 2 of 10

GHS Signal Word:

DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Aerosols, 1  
Health, Aspiration hazard, 1  
Health, Skin corrosion/irritation, 2  
Health, Respiratory or skin sensitization, 1 Skin  
Environmental, Hazards to the aquatic environment - Acute, 1  
Environmental, Hazards to the aquatic environment - Chronic, 1

GHS Phrases:

H222 - Extremely flammable aerosol  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Pressurized container: Do not pierce or burn, even after use.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.  
P302 - IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.  
P306 - IF ON CLOTHING: Wash contaminated clothing before reuse.  
P405 - Store locked up.  
P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

## Citro 100

MSDS Number: A291B

Revision Date: 2/24/15

Page 3 of 10

3

### COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

Cas #	Chemical Name	Perc.	OSHA PEL (ppm)	ACGIH TLV(ppm)	Carcin. Ref.
5989-27-5	D-Limonene	60-80%	NA	NA	D
127087-87-0	Nonylphenol Ethoxylate	10-20%	NA	NA	D
124-38-9	Carbon Dioxide	2.5-10%	5000	5000	D
9016-45-9	Polyethylene Glycol Nonylphenol Ether	2.5-10%	NA	NA	D
Other components below reportable levels		0.1-1%			

4

### FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin Contact:</b>	Remove contaminated clothing immediately and wash skin with soap and water. Remove contaminated clothing. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
<b>Eye Contact:</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion:</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs.

## Citro 100

MSDS Number: A291B

Revision Date: 2/24/15

Page 4 of 10

5

### FIRE FIGHTING MEASURES

**Flammability:** Extremely Flammable Aerosol  
**Flash Point:** 175.1 Deg. F. (79.5 C) estimated

Extinguishing media: Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Do not use water jet as an extinguisher, as this will spread the fire.

Unusual Fire & Explosion Hazard: Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Special Fire fighting procedures: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

Extremely flammable aerosol.

6

### ACCIDENTAL RELEASE MEASURES

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand, or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## Citro 100

MSDS Number: A291B

Revision Date: 2/24/15

Page 5 of 10

**7**

### HANDLING AND STORAGE

- Handling Precautions:** Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Use only in a well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
- Storage Requirements:** Level 3 Aerosol. Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50C/122F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials ( see Section 10 of the SDS). Level 3 Aerosol.

**8**

### EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Good general ventilation (typically 10 air changes per hour) 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. Eye wash facilities and emergency shower must be available when handling this product.
- Personal Protective Equip:** HMIS PP, B | Goggles, Gloves  
 Respiratory Protection: If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.  
 Protective gloves: Use chemical resistant gloves if hand contact will be made.  
 Eye protection: Face shield is recommended. Safety glasses with side shields/chemical proof goggles.
- Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
- Wear appropriate thermal protective clothing, when necessary.

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

**9**

### PHYSICAL AND CHEMICAL PROPERTIES

- |                            |                              |                            |                                  |
|----------------------------|------------------------------|----------------------------|----------------------------------|
| <b>Appearance:</b>         | Aerosol                      | <b>Flash Point:</b>        | 175.1 Deg. F. (79.5 C) estimated |
| <b>Physical State:</b>     | Liquid                       | <b>VOC:</b>                | 78.04% estimated                 |
| <b>Spec Grav./Density:</b> | 0.697 estimated              | <b>Auto-Ignition Temp:</b> | 458.6 F (237 C) estimated        |
| <b>Boiling Point:</b>      | 347.9 F (175.5 C) estimated  | <b>UFL/LFL:</b>            | 6.1% / 0.7%                      |
| <b>Vapor Pressure:</b>     | 90 psig @70 Deg. F estimated |                            |                                  |

## Citro 100

MSDS Number: A291B

Revision Date: 2/24/15

Page 6 of 10

10

### STABILITY AND REACTIVITY

<b>Stability:</b>	Stable and non-reactive under normal conditions of use, storage and transport.
<b>Conditions to Avoid:</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Materials to Avoid:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition:</b>	No hazardous decomposition products are known.
<b>Hazardous Polymerization:</b>	Will not occur

11

### TOXICOLOGICAL INFORMATION

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** Causes skin irritation. May cause an allergic reaction.

**Eye contact** Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics: Dermatitis. Aspiration may cause pulmonary edema pneumonitis. Rash. Skin irritation. May cause redness and pain. May cause an allergic skin reaction.

May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

#### Acute Toxicity

16 oz Citro 100 (CAS Mixture)

Dermal LD50 30.9119 g/kg, estimated (Rabbit)

Oral LD50 77.2798 g/kg, estimated (Rat)

\* Estimates for product may be based on additional component data not shown.

May cause an allergic skin reaction.

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

This product is not expected to cause reproductive or developmental effects.

May be fatal if swallowed and enters airways. Prolonged inhalation may be harmful.

## Citro 100

MSDS Number: A291B

Revision Date: 2/24/15

Page 7 of 10

12

### ECOLOGICAL INFORMATION

Exotoxicity: Very toxic to aquatic life with long lasting effects.

16 oz Citro 100 (CAS Mixture)

Crustacea EC50 63.5021 mg/l, 48h, estimated (Daphnia)

Fish LC50 0.7975 mg/l, 96h, estimated (Fish)

Components

D-Limonene (CAS 5989-27-5)

Crustacea EC50 69.6 mg/l, 48h Water flea (Daphnia pulex)

Fish LC50 0.619-0.796 mg/l, 96h, Fathead minnow (Pimephales promelas)

No data is available on the degradability of this product.

Bioaccumulative potential: No data available

Partition coefficient n-octanol/water (log Kow)

D-Limonene 4.232

No data on the mobility in soil.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13

### DISPOSAL CONSIDERATIONS

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Dispose in accordance with all applicable regulations.

The waste code should be assigned in discussion between user, the producer and the waste disposal company.

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

## Citro 100

MSDS Number: A291B

Revision Date: 2/24/15

Page 8 of 10

14

### TRANSPORT INFORMATION

#### DOT

UN number UN1950  
UN proper shipping name Aerosols, flammable  
Transport hazard class(es) 2.1  
Subsidiary class(es) Not available  
Packing group Not available  
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.  
Labels required 2.1  
Special provisions N82  
Packaging exceptions 306  
Packaging non bulk None  
Packaging bulk None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity until 12/31/2020, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/21/20 and may be used now in place of the "Consumer Commodity ORM-D" marking on both and may be displayed concurrently.

#### IATA

UN number UN1950  
UN proper shipping name Aerosols, flammable  
Transport hazard class(es) 2.1  
Subsidiary class(es) -  
Packing group Not available  
Environmental hazards No  
Labels required 2.1  
ERG Code 10L  
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.  
Other information  
Passenger and cargo aircraft Allowed  
Cargo aircraft only Allowed  
Packaging exceptions LTD QTY

#### IMDG

UN number UN1950  
UN proper shipping name AEROSOLS, MARINE POLLUTANT  
Transport hazard class(es) 2.1  
Subsidiary class(es) -  
Packing group Not available  
Environmental hazards  
Marine pollutant Yes  
Labels required 2.1  
EmS F-D, S-U  
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.  
Packaging exceptions LTD QTY  
Transport in bulk according to AnnexII of MARPOL 73/78 and the IBC Code Not applicable.

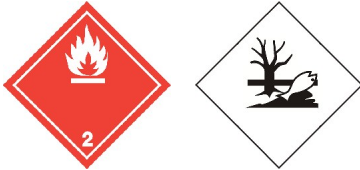


## Citro 100

MSDS Number: A291B

Revision Date: 2/24/15

Page 9 of 10



15

### REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

- 
- \*Citrus Terpene/D-Limonene (5989275 60-80%) TSCA
  - \*Nonylphenol Ethoxylate (127087870 10-20%) TSCA
  - \*Carbon dioxide (124389 1-5%) MASS, OSHAWAC, PA, TSCA, TXAIR
  - \*Polyethylene Glycol Nonylphenol Ether (9016459 2.5-10%) TSCA
  - \*1,4-Dioxane (123911 0.01-.1%) CERCLA, HAP, MASS, NJHS, NRC, OSHAWAC, PA, PROP65, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL
  - \*Ethylene oxide (75218 0.01-.1%) CERCLA, EHS302, HAP, MASS, NJEHS, NJHS, NRC, OSHAHTS, OSHAPSM, OSHAWAC, PA, PROP65, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

#### REGULATORY KEY DESCRIPTIONS

-----

MASS = MA Massachusetts Hazardous Substances List  
 OSHAWAC = OSHA workplace Air Contaminants  
 PA = PA Right-To-Know List of Hazardous Substances  
 TXAIR = TX Air Contaminants with Health Effects Screening Level  
 TSCA = Toxic Substances Control Act  
 CERCLA = Superfund clean up substance  
 HAP = Hazardous Air Pollutants  
 NJHS = NJ Right-to-Know Hazardous Substances  
 NRC = Nationally Recognized Carcinogens  
 PROP65 = CA Prop 65  
 SARA313 = SARA 313 Title III Toxic Chemicals  
 TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)  
 TXHWL = TX Hazardous waste List  
 EHS302 = Extremely Hazardous Substance  
 NJEHS = NJ Extraordinarily Hazardous Substances  
 OSHAHTS = OSHA Hazardous and Toxic Substances  
 OSHAPSM = OSHA Chemicals Requiring process safety management

---

## Citro 100

MSDS Number: A291B

Revision Date: 2/24/15

Page 10 of 10

16

### OTHER INFORMATION

The manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused, nor followed in violation of applicable laws, rules or insurance requirements.

We believe the statements technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. \*\* Chemical listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal data only  
N/A = Not available                      N/D = Not determined