SAFETY DATA SHEET GROW FRAGRANCE

SECTION 1: IDENTIFICATION

PRODUCT NAME

Citrus Cedar Air + Fabric Freshener

RECOMMENDED USE

Air freshener

MANUFACTURER:

Grow Fragrance
114 W. Parrish St. 4th Floor
Durham, NC 27701
United States
www.growfragrance.com

Emergency telephone number 1-888-994-4769

SECTION 2: HAZARD IDENTIFICATION

OSHA 29 CFR 1910.1200

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Flammable Liquids 3
Skin Irritation 2
Skin Sensitization 1
Eye Irritation 2

LABEL ELEMENTS

WARNING

HAZARD STATEMENT

Flammable liquid and vapour
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation

PREVENTION

Keep away from heat, sparks, open flames and/or hot surfaces. No smoking. Keep container tightly closed. Ground and/or 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 mist, vapours, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE

In case of fire: Use appropriate media for extinction. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing and wash before reuse. Specific treatment, see supplemental first aid information. If skin irritation or rash occurs: Get medical advice/attention. 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.

STORAGE/DISPOSAL

Store in a well-ventilated place. Keep cool. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 3: COMPOSITION

MIXTURE

Composition			
Chemical Name	Identifiers	%	Classifications According to OSHA HCS 2012:
Ethanol	CAS: 65-17-5	5 - 10	Flam. Liq. 2; Acute Tox. 3 (inhl, vapor); Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Narc. (orl)
Sodium citrate	CAS: 6858-44-2	1 - 3	Not Classified
Glycerine	CAS: 56-81-5	1 - 3	Eye Irrit. 2

Fragrance Oil	Trade Secret	1 - 3	Skin Irrit. 2; Eye Irrit. 1; Skin Sens. 1B; Asp. Tox. 1; Flam. Liq. 3
Polyglyceryl Ester	Trade Secret	0.1 - 1	Not Classified

SECTION 4: FIRST-AID MEASURE

DESCRIPTION OF FIRST AID MEASURES:

INHALATION

Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

SKIN

In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing. Wash skin with soap and water. If irritation develops and persists, get medical attention.

EYE

In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

INGESTION

Obtain medical attention immediately if ingested.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Refer to Section 11 - Toxicological Information.

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: FIRE-FIGHTING MEASURE

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.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

UNUSUAL FIRE AND EXPLOSION HAZARDS

HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated. Many liquids are lighter than water. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and flash back. Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

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

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS

CAUTION: Victim may be a source of contamination. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

EMERGENCY PROCEDURES

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.

ENVIRONMENTAL PRECAUTIONS

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

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.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

HANDLING

Use only in well ventilated areas. Keep away from heat, sparks, and flame. Do not use sparking tools. Take precautionary measures against static charges. All equipment used when handling the product must be grounded. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapours and/or spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

STORAGE

Store in a tightly closed container. Store in a cool/low-temperature, well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Bicyclo(3.1.1)hept- 2-ene, 2,6,6- trimethyl- (80-56-8)	TWA	10 ppm (listed under Turpentine and selected monoterpenes)	Not established	Not established
Glycerine (56-81-5)	TWA	Not established	Not established	15 mg/m3 (mist, total particulate); 5mg/m3 (mist respirable fraction)
Ethanol (64-17-5)	TWA	Not established	Not established	1000 ppm; 1900 mg/m3
Ethanol (64-17-5)	STEL	1000 ppm	Not established	Not established

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

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY

Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

EYE/FACE

Wear safety goggles.

SKIN/BODY

Wear appropriate gloves.

ENVIRONMENTAL EXPOSURE CONTROLS

Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

KEY TO ABBREVIATIONS

ACGIH = American Conference of Governmental Industrial Hygiene

STEL = Short Term Exposure Limits are based on 15-minute exposures

NIOSH = National Institute of Occupational Safety and Health

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

OSHA = Occupational Safety and Health Administration

SECTION 9: PHYSICAL PROPERTIES

Physical Form • Liquid

Appearance/Description • 2 phase liquid

Color • milky white

Odor • characteristic

Odor Threshold • No data available

Boiling Point • No data available

Melting Point/Freezing Point • No data available

Decomposition Temperature • No data available

pH • No data available

Specific Gravity/Relative Density

Water Solubility • Appreciable 10 to 90%

Viscosity • No data available

Vapor Pressure • No data available

Vapor Density • No data available

Evaporation Rate • No data available

Flashpoint • 52 °C (125.6 °F)

UEL • Not explosive

LEL • Not explosive

Autoignition • No data available

Flammability (solid, gas) • No data available

Octanol/Water Partition coefficient • No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY

No dangerous reaction known under conditions of normal use.

CHEMICAL STABILITY

Stable under normal temperatures and pressures.

POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous polymerization will not occur.

CONDITIONS TO AVOID

Keep away from heat, sparks and flame.

INCOMPATIBLE MATERIALS

No data available.

HAZARDOUS DECOMPOSITION PRODUCTS

No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Components		
Ethanol (5% to 10%)	64-17-5	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 7 g/kg; Ingestion/Oral-Rat LD50 • >2000 mg/kg; Ingestion/Oral- Human TDLo • 0.5 mg/kg; Behavioral: **Changes in psychophysiological tests**; Ingestion/Oral-Man TDLo • 3371 µL/kg; Behavioral: **Altered sleep time (including change in righting reflex)**; Behavioral: **Excitement**; Behavioral: **Coma**; Ingestion/Oral-Rat TDLo • 8000 mg/kg; Brain and Coverings: **Other degenerative changes**; Cardiac: **Cardiomyopathy including infarction**; Liver: **Multiple effects**; Inhalation-Rat LC50 • 5900 mg/m3 6 Hour(s); **Irritation:** Eye-Rabbit • 500 mg • Severe irritation; Skin-Rabbit • 20 mg 24 Hour(s) • Moderate irritation; **Multi-dose Toxicity:** Ingestion/Oral-Rat TDLo • 188 g/kg 25 Day(s)-Intermittent; Liver: **Fatty liver degeneration**; Biochemical: Enzyme inhibition, induction, or change in blood or tissue levels: **Multiple enzyme effects**; Biochemical: Metabolism (intermediary): **Lipids, including transport**; **Mutagen:** Cytogenetic analysis • Ingestion/Oral-Human • 49014 g/kg 25 Year(s); Dominant lethal test • Ingestion/Oral-Mouse • 3720 mg/kg 3 Day(s); Sperm Morphology • Ingestion/Oral-Mouse • 1500 mg/kg 50 Day(s); **Reproductive:** Ingestion/Oral-Rat TDLo • 12 g/kg (9-12D preg); Reproductive Effects: Effects on Embryo or Fetus: **Fetotoxicity (except death, e.g., stunted fetus)**; Ingestion/Oral-Woman TDLo • 5860 mL/kg (3Y pre-100D post); Reproductive Effects: Specific Developmental Abnormalities: **Craniofacial (including nose and tongue)**; Reproductive Effects: Effects on Newborn: **Behavioral**; Reproductive Effects: Effects on Newborn: **Delayed effects**; **Tumorigen / Carcinogen:** Ingestion/Oral-Mouse • 400 g/kg 57 Week(s)-Intermittent; Tumorigenic: **Equivocal tumorigenic agent by RTECS criteria**; Gastrointestinal: **Tumors**; Ingestion/Oral-Mouse TDLo • 320 mg/kg 50 Week(s)-Intermittent; Tumorigenic: **Equivocal tumorigenic agent by RTECS criteria**; Liver: **Tumors**; Blood: **Lymphoma, including Hodgkin's disease**
Glycerine (1% to 2%)	56- 81-5	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 12600 mg/kg; **Irritation:** Eye-Rabbit • 500 mg 24 Hour(s) • Mild irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation; **Multi-dose Toxicity:** Ingestion/Oral-Mouse TDLo • 560 g/kg 8 Week(s)-Continuous; Lungs, Thorax, or Respiration: **Structural or functional change in trachea or bronchi**; Ingestion/Oral-Mouse TDLo • 2800 mg/kg 25 Week(s)-Continuous; Skin and Appendages: Other: **Tumors**; Tumorigenic: **Facilitates action of known carcinogen**; **Mutagen:** Cytogenetic analysis • Ingestion/Oral-Rat • 1 g/kg; DNA Inhibition • Unreported Route-Human • Lymphocyte (Somatic cell) • 200 mmol/L; **Reproductive:** Ingestion/Oral-Rat TDLo • 100 mg/kg (1D male); Reproductive Effects: Effects on Fertility: **Post- implantation mortality**; **Tumorigen / Carcinogen:** Ingestion/Oral-Mouse TDLo • 87.5 g/kg 25 Week(s)-Intermittent; Tumorigenic: **Equivocal tumorigenic agent by RTECS criteria**; Lungs, Thorax, or Respiration: **Tumors**; Tumorigenic: **Facilitates action of known carcinogen**
Proprietary (0.528% TO 0.792%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • >5 g/kg; Skin-Rabbit LD50 • >5 g/kg; **Irritation:** Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation
Proprietary (0.26% TO 0.39%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • >5 g/kg; Skin-Rabbit LD50 • >5 g/kg; **Irritation:** Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation; **Tumorigen / Carcinogen:** Skin-Mouse TDLo • 280 g/kg 33 Week(s)-Intermittent; Tumorigenic: **Equivocal tumorigenic agent by RTECS criteria**; Skin and Appendages: Other: **Tumors**; Tumorigenic: **Tumors at site of application**

Proprietary (0.22% TO 0.33%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 11520 mg/kg; **Irritation:** Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation
Proprietary (0.21% TO 0.315%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 3370 mg/kg; Skin-Rabbit LD50 • 5 g/kg; **Irritation:** Skin-Rabbit • 500 mg 24 Hour(s)
Proprietary (0.132% TO 0.198%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • >5 g/kg; Skin-Rabbit LD50 • >5 g/kg; **Irritation:** Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation
Proprietary (0.078% TO 0.117%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • >5 g/kg; Skin-Rabbit LD50 • >5 g/kg; **Irritation:** Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation
Proprietary (0.3% TO 0.6%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 4400 mg/kg; Behavioral: **Changes in motor activity (specific assay)**; Lungs, Thorax, or Respiration: **Respiratory depression**; Skin and Appendages: Other: **Hair**; Skin-Rabbit LD50 • >5 g/kg; **Irritation:** Skin-Rabbit • 10 % 24 Hour(s) • Mild irritation; **Multi-dose Toxicity:** Ingestion/Oral-Rat TDLo • 840 mg/kg 4 Week(s)-Continuous; Kidney, Ureter, and Bladder: **Other changes in urine composition**; Kidney, Ureter, and Bladder: **Other changes**; Ingestion/Oral-Rat TDLo • 2925 mg/kg 13 Week(s)-Continuous; Liver: **Changes in liver weight**; Kidney, Ureter, and Bladder: **Changes in tubules (including acute renal failure, acute tubular necrosis)**; Kidney, Ureter, and Bladder: **Changes in kidney weight**
Proprietary (0.1% TO 0.3%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 3600 mg/kg; Behavioral: **Somnolence (general depressed activity)**; Behavioral: **Coma**; Skin and Appendages: Other: **Hair**; Skin-Rabbit LD50 • >5000 mg/kg; **Irritation:** Skin-Rabbit • 100 mg 24 Hour(s) • Severe irritation; Skin-Rabbit • 0.5 mL 4 Hour(s) • Moderate irritation
Proprietary (0.02% TO 0.15%)	Proprietary	**Acute Toxicity:** Skin-Rabbit LD50 • >5000 mg/kg; **Irritation:** Skin-Rabbit • 100 % 24 Hour(s) • Moderate irritation
Proprietary (0.02% TO 0.15%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 13934 mg/kg; Behavioral: **General anesthetic**; Behavioral: **Somnolence (general depressed activity)**; Behavioral: **Ataxia**; Skin-Rabbit LD50 • >5000 mg/kg; **Irritation:** Skin-Rabbit • 100 mg 24 Hour(s) • Severe irritation; **Multi-dose Toxicity:** Ingestion/Oral-Mouse TDLo • 3750 mg/kg 5 Day(s)-Intermittent; Related to Chronic Data: **Death in the Other Multiple Dose data type field**
Proprietary (0.02% TO 0.15%)	Proprietary	**Irritation:** Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation
Proprietary (0.02% TO 0.15%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 2790 mg/kg; Skin-Rat LD50 • 5610 mg/kg; **Irritation:** Eye-Rabbit • 100 µL • Moderate irritation; Skin-Rabbit • 100 mg 24 Hour(s) • Severe irritation; **Multi-dose Toxicity:** Skin-Rat TDLo • 3625 mg/kg 29 Day(s)-Intermittent; Behavioral: **Somnolence (general depressed activity)**; Behavioral: **Ataxia**; Skin and Appendages: After topical exposure: **Primary irritation**; **Reproductive:** Ingestion/Oral-Rat TDLo • 19500 mg/kg (7D pre-10D post); Reproductive Effects: Maternal Effects: **Other effects**
Proprietary (0.02% TO 0.15%)	Proprietary	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 3700 mg/kg; Brain and Coverings: **Recordings from specific areas of CNS**; Behavioral: **Somnolence (general depressed activity)**; Lungs, Thorax, or Respiration: **Other changes**; **Irritation:** Skin-Man • 100 % • Severe irritation

POTENTIAL HEALTH EFFECTS

INHALATION

ACUTE

No data available

CHRONIC

No data available

SKIN

ACUTE

No data available

CHRONIC

No data available

EYE

ACUTE

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

CHRONIC

No data available

INGESTION

ACUTE

No data available

CHRONIC

No data available

CARCINOGENIC AFFECTS

IARC: (International Agency for Research on Cancer) - Group 2B-Possible Carcinogen

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

Non-mandatory section - information about this substance not compiled.

PERSISTENCE AND DEGRADABILITY

Non-mandatory section - information about this substance not compiled.

BIOACCUMULATIVE POTENTIAL

Non-mandatory section - information about this substance not compiled.

MOBILITY IN SOIL

Non-mandatory section - information about this substance not compiled.

Other adverse effects

Non-mandatory section - information about this substance not compiled.

SECTION 13: DISPOSAL CONSIDERATION

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: TRANSPORTATION INFORMATION

	UN Number	UN proper shipping name	Transport hazard classes	Packaging group	Environmental Hazards
DOT	Not Applicable	Consumer Commodity	ORM-D	Not Applicable	Not Applicable

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

No data available

SECTION 15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE SARA HAZARD CLASSIFICATIONS

Fire, Acute

TSCA

All components of this product are listed or excluded from listing on the TSCA inventory.

SECTION 16: OTHER INFORMATION

REVISION DATE

05/January/2018

LAST REVISION DATE

02/May/2018

PREPARATION DATE

05/January/2018

DISCLAIMER/STATEMENT OF LIABILITY

The information herein is given in good faith but no warranty, expressed or implied, is made.

Key to abbreviations

NDA = No Data Available