GHS SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Air Scense Orange air freshener non-aerosol

Manufactured for: Citra Solv LLC
Address: 188 Shadow Lake Road Ridgefield CT 06877
Phone: (203) 778-0881
Product Use: Fragrance for Consumer Use
Emergency Contact: Chemtel 800) 255-3954

Date: 02/01/2021
Supersedes 10/01/2020

SECTION 2 HAZARDS IDENTIFICATION

OSHA Hazards
Combustible Liquid, Target Organ Effect, Skin sensitizer, Irritant
GHS Classification:
Flammable Liquids (Category 3)
Acute toxicity, Oral (Category 5)
Skin irritation (Category 2)
Eye irritation (Category 2A)
Skin sensitization (Category 1)
Acute aquatic toxicity (Category 1)
Aspiration (Category 1)

Label Elements

Signal word: Danger

Hazard statement(s)

H226 Flammable liquid and vapor
H304 May be fatal if swallowed and enter airways
H315 Causes skin irritation.
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with Long Lasting Effects

Precautionary statement(s)
P210 Keep away from heat, sparks, flames and hot surfaces. No smoking.
P273 Avoid release into the environment.
P251 Pressurized container: Do not pierce or burn, even after use.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves and use eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove

SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	CAS No.	EC#	% By Wt.
d-Limonene	5989-27-5	227-813-5	98.0 - 100.0

SECTION 4 FIRST AID MEASURES

Eye Contact: Flush eyes with water, holding the eyelids apart for 15 minutes. Get medical attention if irritation persists.
Skin Contact: Wash skin with soap and water after handling. Get medical attention if irritation occurs and persists. Launder contaminated clothing before re-use.
Ingestion: If ingestion occurs rinse mouth with a small amount of water. Immediately call local poison control center or go to an emergency department. Do not induce vomiting unless directed to do so by a medical professional. Never give anything by mouth to an unconscious or drowsy person.
Inhalation: Remove victim to fresh air. Get medical attention if symptoms persist.
Most important symptoms and effects, both acute and delayed – Skin irritation and skin sensitization. This product may be fatal if swallowed and enter airways. Inhalation may cause irritation of the nose, throat, and respiratory tract.

SECTION 5 FIRE FIGHTING PROCEDURES

Extinguishing Media: Use water fog, carbon dioxide, foam or dry chemical. Use water to cool exposed containers and structures and disperse flammable vapors.
Firefighting Procedures: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water. Protect against bursting cans.
Unusual Fire/ Explosion Hazards: Keep away from heat and open flames. Container may rupture or explode in the heat of a fire. Prolonged exposure to temperatures above 50°C may cause cans to burst.
Known or Anticipated Hazardous Products of Combustion: Carbon monoxide, carbon dioxide, hydrogen fluoride, fluorine.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Move leaking container to a well-ventilated area. Collect liquid material into a suitable container for disposal.

Personal Precautions: Wear appropriate personal protective equipment. Eliminate all sources of ignition. Ventilate area.

Environmental Precautions: Avoid release to the aquatic environment in concentrated form.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged or repeated contact with the skin. Avoid breathing spray, vapors and mists. Use only with adequate ventilation. Wash exposed skin thoroughly with soap and water after use. Keep away from heat sources. Do not puncture or incinerate container.

Storage: Store in a cool, well ventilated area at temperatures below 50°C. Do not store in direct sunlight. Do not store together with self-igniting materials or any highly flammable solids, oxidizing or reducing agents.

SECTION 8 EXPOSURE CONTROLE/PERSONAL PROTECTION

Exposure Guidelines:
Citrus Terpenes 8h TWA=30ppm (AIHA Standard)
Engineering Controls: General ventilation should be adequate for normal use.
Personal Protective Equipment:
Eye Protection: Tightly sealed goggles according to EN 166:2001.
Skin and body Protection: Complete suite protecting against chemicals, flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection: Suitable respiratory protection: Filter class A2 (brown color). Use the rules for application of respiratory protection systems.
Hand Protection: Use Gloves
Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end workday.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Liquid, mild orange aroma. Color: colorless to pale yellow.

Boiling Point: 176°C (348.8°F)
Freezing Point: Not Available
Solubility in Water: Insoluble
Vapor Pressure (mmHg): <2 mm Hg @20°C
Evaporation Rate: 0.2 (BuAC=1)
% Volatile by Volume: 100%
Flammable Limits in Air: LEL: 0.7%(V) UEL 6.1% (V)
Partition coefficient (n-octanol/water): kow =4.23 (for d-limonene)

Melting Point: - 96°C (-141°F)
Specific Gravity0.838 to 0.843 @25°C
pH: Not Applicable
Vapor Density: 4.7 (Air=1)
Viscosity: 0.923 cp at 25°C
Flashpoint: 43°C (109.4°F)- closed cup
Autoignition Temperature: 237C° (458°F)
Refractive Index: 1.471-1.474 at 20°C

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Keep away from heat, sparks, flames and other sources of ignition. Dropping containers may cause bursting.
Incompatibility with Other Materials: Avoid strong oxidizing agents, bases and acids.
Hazardous Decomposition Products: Oxides of d-limonene, which can result from improper storage and handling, are known to cause skin sensitization. No decomposition if stored properly.

Hazardous Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Effects
d-Limonene has been shown to have low oral toxicity (LD50>2g/kg) when tested on rats and showed low dermal toxicity (LD50>5g/kg) when tested on rabbits. The product may be fatal if swallowed and enter airways. An LC 50 is not established. Inhalation may cause irritation of the nose, throat and respiratory tract. This product is a skin irritant. It may cause sensitization by skin contact.

Chronic effects
This product is not classified as a carcinogen by OSHA, IARC,ACGIH or NTP. This product has not been shown to produce genetic changes when tested on bacterial or animal cells. This product does not contain known reproductive or developmental toxins.
Likely Routes of Exposure
Inhalation, skin and eye contact
Symptoms: Skin irritation and skin sensitization. This product may be fatal if swallowed and enters airways. Irritation may cause irritation of the nose, throat and respiratory tract.
Target Organs: Eyes, respiratory system and skin.

SECTION 12 ECOLOGICAL INFORMATION

No data available. Product is classified as a very toxic to the aquatic environment. Avoid direct release to the aquatic environment. Product is expected to be readily biodegradable. No appreciable bioconcentration is expected in the environment. Citrus terpenes volatize rapidly.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with all national and local regulations. Do not puncture or incinerate containers.

SECTION 14 TRANSPORT INFORMATION

US DOT Shipping Classification

Proper Shipping Name	TERPENE HYDROCARBON, N.O.S
Hazard Class	3
Identification Number	UN 2319
Packaging Group	III
Label/Placard	Exception 173.150 (f) applies
TDG, IMO, IATA Status	Hazardous

The Listed transportation classification does not address regulatory variations due to changes in packaging size, mode of shipment or other regulatory descriptions.

SECTION 15 REGULATORY INFORMATION

Global Inventories
This product is included in the following inventories.

USA (TSCA)	Korea (KECL)
Canada (DSL)	Philippines (PICCS)
JAPAN (ENCS)	Europe (EINECS/ELINCS/Polymer/NLP)
AUSTRALIA (AICS)	
The United States FDA lists d-limonene as GRAS in 21 CFR sections 182.20 and 182.6	
D-limonene is a100% natural, biodegradable product extracted from the peel of citrus fruit.	
Proposition 65- California Safe Drinking Water and Toxic Enforcement Act of 1986	
This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels that would be subject to the proposition.	
Sara Title III (Section 313)	
This product contains no material subject to the reporting requirements of SARA Title III (section 313)	

SECTION 16 OTHER INFORMATION

NFPA RATING

Health: 1 (slight hazard) Fire: 2 (moderate hazard) Reactivity: 0 (minimal hazard)

Legend

ACGIH – American Conference of Governmental Industrial Hygienists
ADR- European Agreement concerning the International Carriage of Dangerous Goods by Road
AIHA American Industrial Hygiene Association
CAS# Chemical Abstract Service
DOT United States Department of Transportation
GHS Globally Harmonized System of Classification and labeling of Chemicals
GRAS Generally Recognized as Safe
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IMDG International Maritime Code for Dangerous Goods
NFPA National Fire Protection Association
NIOSH United States National Institute for Occupational Safety and Health
NTP United States National Toxicology Program
OSHA United States Occupational Health and Safety Administration
RID
RID Regulations Concerning the International Transport of Dangerous Goods by Rail
TWA Time Weighted Average

Disclaimer

Prepared for: Citra Solv LLC.
Revision Date: 02/01/2021

Citra Solv LLC. believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and makes no warranty, expressed or implied, regarding the accuracy of reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data to comply with all applicable, federal, state, and local laws and regulations.