

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Lemon- Lime Odor Absorbing Gel
Version # 01
Issue date 10-29-2012
Revision date -
Supersedes date -
CAS # Mixture
Product use Commercial.
Manufacturer/Supplier Rubbermaid Commercial Products LLC
3124 Valley Avenue
Winchester, VA 22601-2694
Contact Person: Regulatory Manager
Telephone number: (540) 667-8700
Emergency 24-Hour Emergency: INFOTRAC: 1-800-535-5053

2. Hazards Identification

Physical state Liquid.
Appearance Clear liquid.
Emergency overview WARNING

Combustible liquid and vapor.
Potential hazards that may occur if product is not used according to the consumer label are as follows: May cause eye, skin and respiratory tract irritation. May cause allergic skin reaction.
OSHA regulatory status This product is hazardous according to OSHA 29 CFR 1910.1200.
Potential health effects
Routes of exposure Eye contact. Skin contact. Inhalation.
Eyes May cause eye irritation.
Skin May cause skin irritation. Prolonged and repeated skin contact may cause allergic skin reactions.
Inhalation May cause respiratory tract irritation.
Ingestion Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Potential environmental effects The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Perfumery compound	Mixture	90 - 100
Citral	5392-40-5	2 - 5

Composition comments All concentrations are in percent by weight.

4. First Aid Measures

First aid procedures
Eye contact Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if symptoms persist.
Skin contact Flush contaminated area with plenty of water. Get medical attention if irritation develops or persists.
Inhalation If symptoms develop move victim to fresh air. Call a physician if symptoms develop or persist.
Ingestion Rinse mouth thoroughly. Drink a few glasses of water or milk. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek medical advice.

Notes to physician Treat symptomatically.

5. Fire Fighting Measures

Flammable properties None known.

Extinguishing media

Suitable extinguishing media Carbon dioxide (CO₂). Alcohol foam. Dry chemical.

Unsuitable extinguishing media In case of fire do not spray water directly on the product.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Cool containers exposed to flames with water until well after the fire is out. Avoid breathing fire vapors. Keep upwind.

Specific methods If possible, remove containers exposed to heat or cool with water.

6. Accidental Release Measures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Ensure adequate ventilation. Avoid inhalation and contact with skin and eyes.

Methods for cleaning up Eliminate all ignition sources. Dike the spilled material, where this is possible. Absorb spill with vermiculite or other inert material. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Prevent entry into waterways, sewer, basements or confined areas.

7. Handling and Storage

Handling Wear suitable protective clothing. Do not get in eyes, on skin, on clothing. Avoid inhalation of vapors. Use only in well-ventilated areas. Wash hands after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product.

Storage Store in a cool, dry, well-ventilated place. Keep away from heat, sparks, and flame. Store in original tightly closed container. Avoid plastic and uncoated metal containers. Keep out of reach of children.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor.

Engineering controls If enclosed handling cannot be guaranteed, ventilation and protective clothing must be used.

If appropriate isolate mixing rooms and other areas where fragrances are openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.

Use process enclosures, local exhaust ventilation, or other engineering controls to reduce airborne exposure at locations/operations where fragrances are openly weighed or measured.

Use a certified air sampling expert to identify volatile chemicals that are present in significant amounts in the air, and to measure on a regular basis the air concentrations of one or more of these chemicals as indicators to exposure and to ensure the continuing effectiveness of engineering controls.

Personal protective equipment

Eye / face protection Wear approved safety glasses or goggles.

Skin protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Wear suitable protective clothing.

Respiratory protection No protection is ordinarily required under normal conditions of use. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

9. Physical & Chemical Properties

Appearance	Clear liquid.
Physical state	Liquid.
Form	Liquid.
Color	Yellow.
Odor	Conforms to standard.
Odor threshold	Not available.
pH	Not available.
Vapor pressure	0.261 mm Hg (20 °C)
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Not available.
Specific gravity	Not available.
Flash point	154 °F (67.8 °C)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
VOC	46.69 %
Partition coefficient (n-octanol/water)	No data available.
Other data	
Solubility (other)	Soluble in oil.

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials. Keep away from heat, sparks, and flame.
Incompatible materials	Strong oxidizing agents. Strong acids. Strong alkalis.
Hazardous decomposition products	Carbon monoxide. Unidentified organic compounds.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data		
Components	Species	Test Results
Citral (CAS 5392-40-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	2250 mg/kg
<i>Oral</i>		
LD50	Rat	4950 mg/kg
Sensitization	Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.	
ACGIH Sensitizer		
Citral (CAS 5392-40-5)	Sensitizer.	
Acute effects	May cause eye, skin and respiratory tract irritation.	
Local effects		
US. ACGIH Threshold Limit Values		
Citral (CAS 5392-40-5)	Can be absorbed through the skin.	
Chronic effects	None known.	

Carcinogenicity None known.

ACGIH Carcinogens

Citral (CAS 5392-40-5)

A4 Not classifiable as a human carcinogen.

12. Ecological Information

Ecotoxicity The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability No data available.

Bioaccumulation / Accumulation The product is not expected to bioaccumulate.

Partition coefficient No data available.

Mobility in environmental media No data available.

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations. Do not discharge into drains, water courses or onto the ground.

Waste from residues / unused products Dispose of waste and residues in accordance with local authority requirements.

Contaminated packaging Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

General This material is not regulated if in a container of 119 gallon (450 L) capacity or less.

15. Regulatory Information

US federal regulations This product is hazardous according to OSHA 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A) No

Section 311/312 (40 CFR 370) Yes

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Not controlled

Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status

Controlled

WHMIS classification

B3 - Combustible Liquids
D2B - Other Toxic Effects-TOXIC

WHMIS labeling**Inventory status****Country(s) or region****Inventory name****On inventory (yes/no)***

Canada

Domestic Substances List (DSL)

Yes

Canada

Non-Domestic Substances List (NDSL)

No

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

State regulations**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

16. Other Information**Further information**

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 1
Flammability: 2
Physical hazard: 0

NFPA ratings

Health: 1
Flammability: 2
Instability: 0

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability to assure proper use, disposal, and safety of these materials.