

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Citrus
Version # 01
Issue date 05-15-2012
Revision date -
Supersedes date -
CAS # Mixture
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, pale yellow liquid.
Emergency overview WARNING

Combustible liquid and vapor.
Causes skin and eye 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 Inhalation. Eye contact. Skin contact.

Eyes Causes eye irritation.

Skin Causes skin irritation. May cause allergic skin reaction.

Inhalation In high concentrations, vapors may be irritating to the respiratory system.

Ingestion No harmful effects expected in amounts likely to be ingested by accident.

Potential environmental effects The product is 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
Decanal	112-31-2	5 - 15
Octanal	124-13-0	1 - 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. In case of irritation from airborne exposure, move to fresh air. Get medical attention if symptoms persist.

Skin contact Wash with soap and water. Get medical attention if symptoms occur after washing.

Inhalation If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Ingestion Rinse mouth thoroughly. Seek medical advice. Only induce vomiting at the instruction of medical personnel.

5. Fire Fighting Measures

Flammable properties The product is combustible, but not flammable.

Extinguishing media	
Suitable extinguishing media	Water fog. Carbon dioxide (CO2). Dry chemical. Foam.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Protection of firefighters	
Protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.
Hazardous combustion products	Carbon oxides.

6. Accidental Release Measures

Personal precautions	Ensure adequate ventilation. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid contact with skin. See Section 8 of the MSDS for Personal Protective Equipment.
Environmental precautions	Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment.
Methods for cleaning up	Remove sources of ignition. Beware of the explosion danger. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Small Spills: Absorb spillage with non-combustible, absorbent material. Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

7. Handling and Storage

Handling	Wear appropriate personal protective equipment. Provide adequate ventilation. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Wash thoroughly after handling.
Storage	Do not handle or store near an open flame, heat or other sources of ignition. Protect against direct sunlight. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials. Avoid uncoated metal containers. Minimize exposure to air.

8. Exposure Controls / Personal Protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
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.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.
Respiratory protection	In case of inadequate ventilation use suitable respirator.
General hygiene considerations	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.

9. Physical & Chemical Properties

Appearance	Clear, pale yellow liquid.
Physical state	Liquid.
Form	Liquid.
Color	Colorless to pale yellow.
Odor	Not assigned.
Odor threshold	Not available.
pH	Not available.
Vapor pressure	Not available.

Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Not available.
Solubility (water)	Not available.
Specific gravity	Not available.
Flash point	149.00 °F (65.00 °C)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Partition coefficient (n-octanol/water)	No data available.

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. Alkalis.
Hazardous decomposition products	Carbon oxides. Unidentified organic compounds.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
Octanal (124-13-0)		
Acute		
Dermal		
LD50	Rabbit	6350 mg/kg
Oral		
LD50	Rat	5630 mg/kg
Sensitization	May cause allergic skin reaction.	
Acute effects	Causes skin and eye irritation.	
Chronic effects	Chronic effects are not expected when this product is used as intended.	
Carcinogenicity	None known.	

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

12. Ecological Information

Ecotoxicity	The product is 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.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability	No data available.
Bioaccumulation / Accumulation	No data available.
Partition coefficient	No data available.
Mobility in environmental media	No data available.

13. Disposal Considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations. Do not allow this material to drain into sewers/water supplies.
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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

Basic shipping requirements:

UN number	UN3082
Proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (Decanal, Octanal)
Hazard class	9
Packing group	III
Additional information:	
Special provisions	8, 146, 173, 335, IB3, T4, TP1, TP29
Packaging exceptions	155
Packaging non bulk	203
Packaging bulk	241

IATA

UN number	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (Decanal, Octanal)
Transport hazard class(es)	9
Packing group	III
Labels required	9

IMDG

UN number	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (Decanal, Octanal)
Transport hazard class(es)	9
Packing group	III
Labels required	9

TDG

Proper shipping name	Environmentally hazardous substances, liquid, n.o.s.
Hazard class	9
UN number	UN3082
Packing group	III
Special provisions	8, 146, 173, 335, IB3, T4, TP1, TP29
Labels required	9
Packaging exceptions	155
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Packaging bulk	241

15. Regulatory Information

US federal regulations This product is hazardous according to OSHA 29 CFR 1910.1200.

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

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
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Section 302 extremely hazardous substance (40 CFR 355, Appendix A)	No
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Section 311/312 (40 CFR 370)	Yes
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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)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply 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

Octanal (CAS 124-13-0) Listed.

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

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

Mexico regulations

This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information**Further information**

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

HMIS® ratings

Health: 2
Flammability: 2
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 2
Instability: 0

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.