SAFETY DATA SHEET

PRORESTORE
PRODUCTS

Revision Date 21-May-2015
Version 2

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name Last Resort
Product code LG-F1035

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Deodorizer
Restrictions on use Professional Use Only

1.3 Details of the supplier of the safety data sheet

Supplier

Legend Brands
ProRestore Products
15180 Josh Wilson Road
Burlington, WA 98233
800-932-3030

1.4 Emergency telephone number

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. Hazards identification

2.1 Classification of the substance or mixture

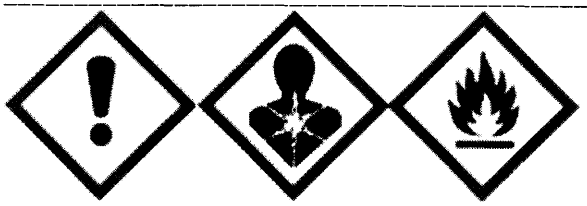
GHS Classification in accordance with 29 CFR 1910.1200

Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Flammable liquids	Category 2

2.2 Label elements

Signal Word
Danger

Hazard Statements
Causes serious eye irritation
May cause an allergic skin reaction
May cause cancer
May cause drowsiness or dizziness
Highly flammable liquid and vapor



Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool

Precautionary Statements - Response
If exposed or concerned: 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
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

2.3 Other Hazards Hazards not otherwise classified (HNOC)
Not Applicable

2.4 Other information
Not Applicable

Unknown Acute Toxicity 21.2037% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients

Substance

Chemical Name	CAS-No	Weight %
ISOPROPYL ALCOHOL	67-63-0	50 - 60
Pine Oil	8002-09-3	5 - 10
Diethyl Phthalate	84-66-2	5 - 10
BENZYL BENZOATE	120-51-4	1 - 5
BENZENE, 1,1'-OXYBIS-	101-84-8	1 - 5
AMYL ACETATE	628-63-7	1 - 5

Vanillin	121-33-5	1 - 5
TERPENES AND TERPENOIDS, SWEET ORANGE-OIL	68647-72-3	< 1
Ethyl Acetate	141-78-6	< 1
BENZALDEHYDE	100-52-7	< 1
Acetaldehyde	75-07-0	< 1

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

4.1 Description of first-aid measures

General advice Show this material safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.

Eye contact Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation develops or persists.

Skin contact Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Use a mild soap if available. Call a physician if irritation develops or persists. If skin irritation persists, call a physician.

Inhalation Immediate medical attention is required. Move to fresh air. If not breathing, give artificial respiration.

Ingestion Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

4.3 Recommendations for immediate medical care and/or special treatment

Notes to physician Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media
Water spray Carbon dioxide (CO_2) Dry powder Alcohol-resistant foam

Small Fires Dry chemical or CO_2.

Large Fires Alcohol type or all purpose foam.

Unsuitable Extinguishing Media High volume water jet.

5.2 Specific hazards arising from the substance or mixture

Special Hazard
Hazardous decomposition products formed under fire conditions Flash back possible over considerable distance

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO_2).

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system. See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Keep away from sources of ignition - No smoking.

Hygiene measures When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions Use only in area provided with appropriate exhaust ventilation. Keep locked up or in an area accessible only to qualified or authorized persons. Use only explosion-proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Electrical equipment should be protected to the appropriate standard. Store between 41 and 77 °F (5 - 25° C) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store in original container.

Materials to Avoid Strong oxidizing agents.

8. Exposure controls/personal protection

8.1 Occupational Exposure Limits (OEL)

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
ISOPROPYL ALCOHOL 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m³	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm TWA: 492 mg/m³ STEL: 400 ppm STEL: 984 mg/m³	TWA: 400 ppm TWA: 985 mg/m³ STEL: 500 ppm STEL: 1230 mg/m³	TWA: 200 ppm STEL: 400 ppm
Diethyl Phthalate 84-66-2	TWA: 5 mg/m³	-	TWA: 5 mg/m³	TWA: 5 mg/m³	TWA: 5 mg/m³	TWA: 5 mg/m³
BENZENE, 1,1'-OXYBIS- 101-84-8	STEL: 2 ppm vapor TWA: 1 ppm vapor	TWA: 1 ppm vapor TWA: 7 mg/m³ vapor	TWA: 1 ppm STEL: 2 ppm	TWA: 1 ppm TWA: 7 mg/m³ STEL: 2 ppm STEL: 14 mg/m³	TWA: 1 ppm TWA: 7 mg/m³ STEL: 2 ppm STEL: 14 mg/m³	TWA: 1 ppm STEL: 2 ppm
AMYL ACETATE	STEL: 100 ppm	TWA: 100 ppm	TWA: 50 ppm	TWA: 50 ppm	TWA: 50 ppm	TWA: 50 ppm

628-63-7	TWA: 50 ppm	TWA: 525 mg/m³	STEL: 100 ppm	TWA: 266 mg/m³ STEL: 100 ppm STEL: 532 mg/m³	TWA: 266 mg/m³ STEL: 100 ppm STEL: 532 mg/m³	STEL: 100 ppm
Ethyl Acetate 141-78-6	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m³	TWA: 150 ppm	TWA: 400 ppm TWA: 1440 mg/m³	TWA: 400 ppm TWA: 1440 mg/m³	TWA: 400 ppm
BENZALDEHYDE 100-52-7	-	-				STEL: 4 ppm STEL: 17 mg/m³
Acetaldehyde 75-07-0	Ceiling: 25 ppm	TWA: 200 ppm TWA: 360 mg/m³	Ceiling: 25 ppm	Ceiling: 25 ppm Ceiling: 45 mg/m³	Ceiling: 25 ppm Ceiling: 45 mg/m³	CEV: 25 ppm

8.2 Appropriate engineering controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

8.3 Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and body protection Long sleeved clothing. Rubber or plastic apron.

Respiratory protection Respirator with a vapor filter (EN 141).

Hygiene measures See section 7 for more information

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Liquid
Appearance Clear liquid
Color light yellow
Odor Floral
Odor Threshold No information available

Property	Values	Remarks • Methods
pH	6.0	
Melting/freezing point		No information available
Boiling point/boiling range	82 °C / 180 °F	
Flash Point	21 °C / 70 °F	
Evaporation rate	45	
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	0.89	
Water solubility	completely soluble	
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidizing Properties		No information available

9.2 Other information

Volatile organic compounds (VOC) content 614 g/L

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to Avoid

Direct sources of heat.

10.5 Incompatible Materials

Strong oxidizing agents.

10.6 Hazardous Decomposition Products

Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

11. Toxicological information

11.1 Acute toxicity

Numerical measures of toxicity: Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Unknown Acute Toxicity 21.2037% of the mixture consists of ingredient(s) of unknown toxicity

Oral LD50 2,112.00 mg/kg
Dermal LD50 5,148.00 mg/kg

Numerical measures of toxicity: Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ISOPROPYL ALCOHOL 67-63-0	1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m³ (Rat) 4 h
Diethyl Phthalate 84-66-2	-	> 11200 mg/kg (Rat)	-
BENZYL BENZOATE 120-51-4	500 mg/kg (Rat)	= 4000 mg/kg (Rabbit)	-
BENZENE, 1,1'-OXYBIS- 101-84-8	-	> 7940 mg/kg (Rabbit)	-
Vanillin 121-33-5	1580 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	-
TERPENES AND TERPENOIDS, SWEET ORANGE-OIL 68647-72-3	4400 mg/kg (Rat)	>5 g/kg (Rabbit)	-
Ethyl Acetate 141-78-6	5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit)	-
BENZALDEHYDE 100-52-7	1292 mg/kg (Rat)	> 1250 mg/kg (Rabbit)	-
Acetaldehyde 75-07-0	660 mg/kg (Rat)	-	= 13000 ppm (Rat) 4 h

11.2 Information on toxicological effects

Skin corrosion/irritation

Product Information
• No information available
Component Information
• No information available

Eye damage/irritation
Product Information
• No information available
Component Information
• No information available

Respiratory or skin sensitization
Product Information
• No information available
Component Information
• No information available

Germ Cell Mutagenicity
Product Information
• No information available
Component Information
• No information available

Carcinogenicity
• The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
ISOPROPYL ALCOHOL 67-63-0	-	Group 1 Group 3	-	
Acetaldehyde 75-07-0	A2	Group 1 Group 2B	Reasonably Anticipated	

Reproductive toxicity
Product Information
• No information available
Component Information
• No information available

STOT - single exposure
No information available

STOT - repeated exposure

• Contains a known or suspected reproductive toxin

Other adverse effects
Target Organs
• Central nervous system
• Eyes
• Kidney
• Reproductive system
• Respiratory system
• Skin
• Peripheral Nervous System (PNS)
Product Information
• No information available
Component Information
• No information available

Aspiration hazard
Product Information

• No information available

Component Information

• No information available

12. Ecological information

12.1 Toxicity

Ecotoxicity No information available

15.2628 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
ISOPROPYL ALCOHOL 67-63-0	EC50: 96 h Desmodesmus subspicatus 1000 mg/L EC50: 72 h Desmodesmus subspicatus 1000 mg/L	LC50: 96 h Pimephales promelas 9640 mg/L flow-through LC50: 96 h Pimephales promelas 11130 mg/L static LC50: 96 h Lepomis macrochirus 1400000 µg/L	EC50: 48 h Daphnia magna 13299 mg/L
Pine Oil 8002-09-3	-	-	EC50: 48 h Daphnia magna 17 - 28 mg/L Flow through
Diethyl Phthalate 84-66-2	EC50: 72 h Desmodesmus subspicatus 23 mg/L EC50: 72 h Desmodesmus subspicatus 23 mg/L static EC50: 96 h Desmodesmus subspicatus 21 mg/L EC50: 96 h Desmodesmus subspicatus 21 mg/L static EC50: 72 h Pseudokirchneriella subcapitata 42 - 255 mg/L EC50: 96 h Pseudokirchneriella subcapitata 2.11 - 4.29 mg/L static	LC50: 96 h Pimephales promelas 17 mg/L flow-through LC50: 96 h Pimephales promelas 16.8 mg/L static LC50: 96 h Lepomis macrochirus 22 mg/L flow-through LC50: 96 h Lepomis macrochirus 16.7 mg/L static LC50: 96 h Oncorhynchus mykiss 12 mg/L flow-through	EC50: 48 h Daphnia magna 36 - 74 mg/L EC50: 48 h Daphnia magna 86 mg/L Static
BENZENE, 1,1'-OXYBIS- 101-84-8	-	LC50: 96 h Pimephales promelas 4 mg/L flow-through LC50: 96 h Pimephales promelas 4 - 7.9 mg/L static	LC50: 48 h Daphnia magna 0.11 - 1.1 mg/L
AMYL ACETATE 628-63-7	-	LC50: 96 h Lepomis macrochirus 650 mg/L static	-
Vanillin 121-33-5	-	LC50: 96 h Pimephales promelas 53 - 61.3 mg/L flow-through LC50: 96 h Pimephales promelas 88 mg/L static LC50: 96 h Pimephales promelas 57 mg/L semi-static	-
Ethyl Acetate 141-78-6	-	LC50: 96 h Pimephales promelas 220 - 250 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 484 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 352 - 500 mg/L semi-static	EC50: 48 h Daphnia magna 560 mg/L Static
BENZALDEHYDE 100-52-7	-	LC50: 96 h Oncorhynchus mykiss 10.6 - 11.8 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 12.69 mg/L static LC50: 96 h Lepomis macrochirus 0.8 - 1.44 mg/L flow-through LC50: 96 h Pimephales promelas 6.8 - 8.53 mg/L flow-through LC50: 96 h Lepomis macrochirus 7.5 mg/L static	-
Acetaldehyde 75-07-0	-	LC50: 96 h Pimephales promelas 28.0 - 34.0 mg/L flow-through LC50: 96 h Lepomis macrochirus 53 mg/L static LC50: 96 h Oncorhynchus mykiss 1.8 - 2.4 mg/L static LC50: 96 h Pimephales promelas 39.8 - 46.8 mg/L static	EC50: 48 h Daphnia magna 3.64 - 6.15 mg/L Static EC50: 48 h Daphnia magna 48.3 mg/L

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Discharge into the environment must be avoided

Chemical Name	log Pow
ISOPROPYL ALCOHOL 67-63-0	0.05
Diethyl Phthalate 84-66-2	2.35
BENZENE, 1,1'-OXYBIS- 101-84-8	4.24
Vanillin 121-33-5	1.23
Ethyl Acetate 141-78-6	0.6
BENZALDEHYDE 100-52-7	1.48
Acetaldehyde 75-07-0	0.5

12.4 Mobility in soil

No information available.

12.5 Other adverse effects

No information available

13. Disposal Considerations

13.1 Waste Disposal Guidance

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

14. Transport Information

DOT Quarts ship as limited quantity

- **UN/ID No** 1993
- **Proper shipping name** Flammable Liquid, N.O.S. (Isopropanol)
- **Hazard class** 3
- **Packing Group** II

MEX no data available

IMDG

- **Proper shipping name** FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL)
- **Hazard class** 3
- **UN Number** 1993
- **Packing Group** II
- **Marine pollutant** No

IATA

15. Regulatory information

15.1 International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	Complies
AICS	Complies
NZIoC	-

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
ISOPROPYL ALCOHOL 67-63-0	1.0
Acetaldehyde 75-07-0	0.1

15.3 Pesticide Information

Not applicable

15.4 U.S. State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Acetaldehyde - 75-07-0	Carcinogen

16. Other information

NFPA	**Health Hazard** 2	**Flammability** 4	**Instability** 0	**Physical and chemical hazards** -
HMIS	**Health Hazard** 2	**Flammability** 4	**Physical Hazard** 0	**Personal protection** X

Legend:
ACGIH (American Conference of Governmental Industrial Hygienists)
Ceiling (C)
DOT (Department of Transportation)
EPA (Environmental Protection Agency)
IARC (International Agency for Research on Cancer)
International Air Transport Association (IATA)
International Maritime Dangerous Goods (IMDG)
NIOSH (National Institute for Occupational Safety and Health)

NTP (National Toxicology Program)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
Reportable Quantity (RQ)
Skin designation (S*)
STEL (Short Term Exposure Limit)
TLV® (Threshold Limit Value)
TWA (time-weighted average)

Revision Date 21-May-2015
Revision Note
No information available
Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet