



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Lemon Furniture Polish
Version # 01
Issue date 02-18-2013
Revision date -
Supersedes date -
CAS # Mixture
Product code 452
Product use Furniture Polish.
Manufacturer/Supplier Scot Laboratories
16841 Park Circle Dr.
Chagrin Falls, OH 44023
US

General Information: 440-543-3033

Emergency 24 Hour Emergency: 800-535-5053

2. Hazards Identification

Physical state Liquid.
Emergency overview DANGER

Extremely flammable aerosol - contents under pressure.
Causes eye irritation. Prolonged or repeated contact may dry skin and cause irritation.

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. Ingestion.

Eyes

Causes eye irritation. May cause redness and pain.

Skin

Prolonged or repeated contact may dry skin and cause irritation. Defats the skin.

Inhalation

Breathing of high concentrations may cause dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness.

Ingestion

Exposure by ingestion of an aerosol is unlikely. However: Harmful or fatal if swallowed, can enter lungs and cause damage.

Target organs Eyes. Respiratory system. Skin.

Signs and symptoms Exposed individuals may experience eye tearing, redness, and discomfort. Prolonged and/or repeated skin contact may result in mild irritation or redness. Vapors may cause drowsiness and dizziness. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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
1,1-difluoroethane	75-37-6	5 - 15
Isoparaffinic hydrocarbon	64741-66-8	5 - 15
Propane	74-98-6	5 - 15
Silicone	63148-62-9	< 10

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

Eye contact	Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses. Get medical attention if irritation persists after washing.
Skin contact	Wash skin thoroughly with soap and water. Take off immediately all contaminated clothing. If irritation persists get medical attention.
Inhalation	Move into fresh air and keep at rest. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.

Notes to physician Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen.

General advice Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties Extremely flammable aerosol - contents under pressure. Vapors may form explosive mixtures with air. Aerosol containers can explode when heated, due to excessive pressure build-up. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.

Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters

Specific hazards arising from the chemical Aerosol containers can explode when heated, due to excessive pressure build-up. By heating and fire, harmful vapors/gases may be formed. Vapors may form explosive mixtures with air.

Protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Fire fighting equipment/instructions Cool containers exposed to heat with water spray and remove container, if no risk is involved. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Hazardous combustion products Carbon monoxide and carbon dioxide.

6. Accidental Release Measures

Personal precautions Keep upwind. Ventilate closed spaces before entering them. Avoid inhalation of vapors/spray and contact with skin and eyes. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the MSDS.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not discharge into drains, water courses or onto the ground.

Methods for cleaning up Eliminate all ignition sources. Ventilate the area. Wipe up with absorbent material (e.g. cloth, fleece). For waste disposal, see Section 13 of the MSDS.

Other information Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling Avoid prolonged exposure. Keep away from sources of ignition - No smoking. Use non-sparking tools and explosion-proof equipment. Vapors may form explosive mixtures with air. Use only outdoors or in a well-ventilated area. Avoid inhalation of vapors and spray mist and contact with skin and eyes. Wash thoroughly after handling. Wash contaminated clothing before reuse. Wear protective clothing as described in Section 8 of this safety data sheet. Observe good industrial hygiene practices. For industrial and institutional use only.

Storage Aerosol containers can explode when heated, due to excessive pressure build-up. Keep away from heat, spark, open flames and other sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Store at temperatures below 120°F.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Propane (CAS 74-98-6)	TWA	1000 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Propane (CAS 74-98-6)	PEL	1800 mg/m ³ 1000 ppm

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Propane (CAS 74-98-6)	TWA	1000 ppm

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Propane (CAS 74-98-6)	TWA	1000 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Propane (CAS 74-98-6)	TWA	1000 ppm

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Propane (CAS 74-98-6)	TWA	1800 mg/m ³ 1000 ppm

Engineering controls Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

Personal protective equipment

Eye / face protection If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn.

Skin protection Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier. Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment. 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.

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	Not available.
Physical state	Liquid.
Form	Aerosol.
Color	No data available.
Odor	Not available.
pH	7.9 - 8.9
Vapor density	Heavier than air.
Boiling point	> 212 °F (> 100 °C)
Solubility (water)	Emulsion
Specific gravity	0.91 - 1.01 (Water=1)

Flash point	< 0 °F (< -17.8 °C) (Propellant) Non-flammable (Product)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
VOC	16.8 %
Evaporation rate	Slower than ether.

10. Chemical Stability & Reactivity Information

Chemical stability	Risk of ignition. Material is stable under normal conditions.
Conditions to avoid	High temperatures.
Incompatible materials	None known.
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
Possibility of hazardous reactions	Hazardous polymerization will not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
Propane (CAS 74-98-6)		
Acute		
<i>Inhalation</i>		
LC50	Rat	> 1442 mg/l, 15 Minutes
Silicone (CAS 63148-62-9)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	>= 5000 mg/kg
<i>Oral</i>		
LD50	Rat	>= 17000 mg/kg

Sensitization	This product is not expected to cause skin sensitization.
Acute effects	Causes eye irritation. Vapors may cause drowsiness and dizziness. Aspiration hazard: Harmful or fatal if swallowed, can enter lungs and cause damage.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

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	Not available.
Bioaccumulation / Accumulation	Not available.
Partition coefficient	
1,1-difluoroethane (CAS 75-37-6)	0.75
Propane (CAS 74-98-6)	2.36
Mobility in environmental media	No data available.

13. Disposal Considerations

Waste codes	D001: Waste Flammable material with a flash point <140 °F
Disposal instructions	Do not discharge into drains, water courses or onto the ground. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Waste from residues / unused products Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT

Basic shipping requirements:

UN number UN1950
Proper shipping name AEROSOLS.
Hazard class 2.1

Additional information:

Special provisions N82
Packaging exceptions 306
Packaging non bulk None
Packaging bulk None

IATA

UN number UN1950
UN proper shipping name Aerosols, flammable.
Transport hazard class(es) 2.1
Labels required 2.1

IMDG

UN number UN1950
UN proper shipping name AEROSOLS.
Transport hazard class(es) 2.1
Labels required 2.1
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

TDG

UN number UN1950
Proper shipping name AEROSOLS.
Hazard class 2.1
Special provisions N80
Labels required 2.1

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 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)

Propane: 100

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
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

B5 - Flammable Aerosols
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)	No
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 this product complies with the inventory requirements administered by the governing country(s)

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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

Not listed.

US - New Jersey RTK - Substances: Listed substance

1,1-difluoroethane (CAS 75-37-6) Listed.
Propane (CAS 74-98-6) Listed.

US. Massachusetts RTK - Substance List

1,1-difluoroethane (CAS 75-37-6) Listed.
Propane (CAS 74-98-6) Listed.

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

1,1-difluoroethane (CAS 75-37-6) 500 lbs
Propane (CAS 74-98-6) 500 lbs

US. Pennsylvania RTK - Hazardous Substances

Propane (CAS 74-98-6) Listed.

Mexico regulations

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

16. Other Information**HMIS® ratings**

Health: 2
Flammability: 3
Physical hazard: 2

NFPA ratings

Health: 2
Flammability: 3
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.