Printing date 12/11/2024
Reviewed on 11/13/2024

Safety Data Sheet
acc. to OSHA HCS

1 Identification

Product identifier

Trade names: **Parker & Bailey Lemon Oil**
Parker & Bailey Orange Oil

Application of the substance / the mixture
Consumer use.
Wood furniture polishing agent.

Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Shepherd Hardware Products LLC
6961 US Highway 12, Three Oaks, MI 49128
Business Phone: + 1-800-645-8990
Business Hours: 8am-5pm EST Monday-Friday

Information department: www.shepherdhardware.com
Emergency telephone number: +1-800-645-8990 (Business Hours: 8am-5pm EST Monday-Friday)
Information for domestic suppliers
This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of workplace occupational health and safety regulations.
This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations.

2 Hazard(s) identification

Classification of the substance or mixture

GHS08 Health hazard

Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.

GHS07

Sensitization - Skin 1 H317 May cause an allergic skin reaction.

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms

GHS07 GHS08

Signal word Danger

Hazard-determining components of labeling:
Paraffin oils (petroleum), catalytic dewaxed heavy
Orange oil, sweet terpenes
Lemon oil, terpenes
d-Limonene

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Hazard statements
May cause an allergic skin reaction.
May be fatal if swallowed and enters airways.
Precautionary statements
Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Avoid breathing mist/vapours/spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
If swallowed: Immediately call a poison center/doctor.
Specific treatment (see on this label).
Do NOT induce vomiting.
If on skin: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions.

Hazardous components:		
64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy	80-100%
68647-72-3	Orange oil, sweet terpenes	0.1-1.0%
5989-27-5	d-Limonene	0.1-1.0%
68917-33-9	Lemon oil, terpenes	0.0-1.0%

Additional information:
The exact percentage concentration of composition has been withheld as a trade secret or is disclosed as a range due to batch variation.
Non-hazardous components are listed above due to the existence of country-specific occupational exposure level (OEL) values (see Section 8) or are being voluntarily disclosed.

4 First-aid measures

Description of first aid measures
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact:
Wash skin with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice.
Take off contaminated clothing and wash it before reuse.
After eye contact:
Rinse opened eye for several minutes under running water.
Remove contact lenses, if present and easy to do. Continue rinsing.
After swallowing:
Call a poison control center or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Information for doctor: Treat symptomatically for ingestion, eyes, skin, inhalation, and vital functions as needed.

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Most important symptoms and effects, both acute and delayed
May cause irritation with redness and tearing of eyes.
Aspiration hazard. May be fatal if swallowed and enters airways.
Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Extinguishing media
Suitable extinguishing agents:
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special hazards arising from the substance or mixture
Irritating and toxic fumes may be produced at high temperature. Use of water may result in the formation of a toxic aqueous solution. Do not allow run-off from fire fighting to enter drains or water courses.
Advice for firefighters
Protective equipment:
Normal firefighting procedures should be followed to avoid inhalation of smoke and gases produced by fire.
Fire-fighters should wear appropiate protective equipment and a self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Additional information
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment as required.
Product forms slippery surface when combined with water.
Environmental precautions:
Avoid dispersal of spilled material and runoff to reach soil, waterways, drains, and sewers.
Methods and material for containment and cleaning up:
Small spills: Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders). Wipe up any excess with cloth or sponge materials.
For larger spills, contain spillage using noncombustible absorbent material. Place waste product in containers for disposal according to applicable regulations. Do not vacuum.
Walking surfaces may require additional cleaning with detergents and water. Allow surfaces to completely dry prior to walking on them.
Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling:
Precautions for safe handling
Prevent formation of aerosols.
To prevent skin and eye contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. Wash thoroughly after handling.
Avoid mist, vapor, or spray. Use with adequate ventilation. Do not swallow. Remove contaminated clothing and wash before reuse.
Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

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Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Keep packaging tightly sealed until ready for use.
Information about storage in one common storage facility:
Keep away from incompatible materials. Protect containers from physical damage.
Further information about storage conditions: Keep this product out of the reach of children.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection
Additional information about design of technical systems:
Technical measures and the application of adequate working methods take priority over the use of personal protection equipment. Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Control parameters:
Components with limit values that require monitoring at the workplace:
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

64742-70-7 Paraffin oils (petroleum), catalytic dewaxed heavy	
PEL	Long-term value: 5 mg/m³
REL	Short-term value: 10 mg/m³ Long-term value: 5 mg/m³ oil mist
TLV	Long-term value: 5* mg/m³ *highly refined, inhalable particulate matter

Additional information:
Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Monitoring of substance concentrations in air at the workplace may be necessary to ensure compliance with official exposure limit values and adequacy of exposure controls. For further information contact the supplier or the competent authorities.
The lists that were valid during the creation were used as basis.

Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Clean skin thoroughly immediately after handling the product.
Avoid contact with the eyes and skin.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Breathing equipment:
Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process.
Select fit and use in accordance with local and national regulations.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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Protection of hands:

Protective gloves

Material of gloves Chemical-resistant, impervious gloves complying with an approved standard should be worn.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:
Safety glasses or goggles complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Body protection:
Appropriate work clothing is recommended.
Personal protective equipment for the body should be selected based on the task being performed.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information
Appearance:

Form:	Liquid, oil
Color:	Orange or yellow
Odor:	Citrus
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.
Flash point:	>93.3 °C (>199.9 °F)
Flammability:	Product is not flammable.
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not self-igniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not determined.
Density at 20 °C (68 °F):	0.85–0.95 g/cm³ (7.09325–7.92775 lbs/gal)
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Negligible
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.

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Kinematic at 40 °C (104 °F): 19 mm²/s

Other information No further relevant information available.

10 Stability and reactivity

Reactivity No specific test data related to reactivity available for this product or its ingredients.
Chemical stability Stable under normal conditions.
Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid Avoid sources of ignition (sparks or flames). Avoid contact with incompatible materials.
Incompatible materials: Strong oxidizing material.
Hazardous decomposition products:
Under normal conditions of storage and use, hazardous decomposition products should not occur.

11 Toxicological information

Information on toxicological effects

Acute toxicity: Based on available data, components are not acutely toxic.
Primary irritant effect:
on the skin: Based on available data, the classification criteria are not met.
on the eye: Based on available data, the classification criteria are not met.
Sensitization: Sensitization possible through skin contact.
Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:

Carcinogenic categories

IARC (International Agency for Research on Cancer)		
5989-27-5	d-Limonene	3

NTP (National Toxicology Program)
None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients are listed.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard May be fatal if swallowed and enters airways.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behavior in environmental systems:
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.

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Additional ecological information:
General notes:
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods
Recommendation: Dispose of contents/container in accordance with local/regional/national/international regulations.

Uncleaned packagings:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

UN-Number
DOT, IMDG, IATA not regulated
UN proper shipping name
DOT, IMDG, IATA not regulated
Transport hazard class(es)

DOT, ADN, IMDG, IATA
Class not regulated
Packing group
DOT, IMDG, IATA not regulated
Environmental hazards: Not applicable.
Special precautions for user Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
UN "Model Regulation": not regulated

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Sara

Section 355 (extremely hazardous substances):
None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):
Either ingredients are not listed or below threshold for disclosure.

TSCA (Toxic Substances Control Act):
All ingredients are listed or exempt.

Hazardous Air Pollutants
None of the ingredients are listed.

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16 Other information

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Shepherd Hardware Products LLC and it's affiliates assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Shepherd Hardware Products LLC and it's affiliates assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

Department issuing SDS: EHS Department
Contact: James Byers
Date of preparation / last revision 11/13/2024 / -
Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Sensitization - Skin 1: Skin sensitisation – Category 1
Aspiration Hazard 1: Aspiration hazard – Category 1