

MATERIAL SAFETY DATA SHEET

Date: 05 DECEMBER 2018

1. Commercial Product Name

Commercial name : **GARDEN FURNITURE OIL**
Product usage : Preservative oil for outdoor wooden furniture.
Supplier : BT Chemicals Co., Ltd.

2. Composition and Information of ingredient

Ingredients	CAS number	% by weight
Linseed Oil	68649-95-6	20-40
Hydrocarbon Solvent	64742-82-1 64742-95-6	60-80
Surface additives	136-52-7 13434-24-7 22464-99-9	0.3-0.5
3-Iodo-2-Propynyl Butyl Carbamate (IPBC)	55406-53-6	1-1.5
Mix color	No list	3-8

3. Hazardous Identification

GHS classification of the substance/ mixture
Classification according to Regulation (EC) No 1272/2008
Flammable liquid: Category 3 H226: Flammable liquid and vapour



Acute Tox. 4 H302: Harmful if swallowed
Skin Irrit. 2 H315: Causes skin irritation



- Prevention: Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash contaminated skin thoroughly after handling Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
- Response: IF ON SKIN: Wash with plenty of soap and water. 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. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

4. Emergency and First Aid Procedure

- **Eye Contact** : Flush eyes with water while holding eyelids open. Rest eyes for 30 minutes. If redness, transport to nearest medical facility for additional treatment.
- **Skin contact** : Wash with plenty of warm water and soap. Consult a doctor in the event of skin reaction.
- **Inhalation** : Move victim to fresh air.
- **Ingestion** : Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Transport to nearest medical facility for additional treatment.

5. Fire-fighting measures

- *Extinguishing media* : CO₂, foam, dry powder.
- *Unusual fire and explosion hazards* : Containers at risk from fire should be cooled with water and removed from the danger area.

6. Accidental release measures

- *Protective Measures* : Wear appropriate personal protective equipment when responding to spills
- *Spill Management* : Shut off source of leak. Soak up residue with an absorbent such as clay, sand. Place in non-leaking container and seal tightly for proper disposal

7. Handling and Storage

- *Handling:*

Vapors are heavier than air and may spread along floors.
Keep away from heat, sparks and flame.
Extinguish pilot lights, cigarettes and turns off other sources of ignition prior to use and until all vapors have dissipated.
Painting room should to have ventilation, avoid vapor concentration higher than the occupational exposure limits
Wash with soap and water before eating, drinking, smoking.
- *Storage:*

Store in a cool, well-ventilated area away from incompatible materials and ignition sources.
Keep away from heat, oxidizing agent and open flame.
Keep the containers tightly closed before and after use.

8. Exposure controls / personal protection

Personal Protective Equipment

- *Eye Protection:*

Precautions should be taken to avoid eye contact. Should be wearing safety glasses.
- *Skin Protection:*

Use protective clothing which is chemical resistant to this material. Gloves, boots should be worn.
- *Respiratory Protection:*

Use respiratory mask with charcoal and dust filter when spraying this product.

9. Technical data

- *Appearance* : Light brown liquid.
- *Density* : 0.88 ± 0.05 g/mL by Density Cup 100cm³ at room temperature.
- *Odor* : Characteristic (smell of vegetable oil).
- *Solubility in water* : Not soluble.
- *Flash point* : Typical 38 -50 °C
- *Auto-ignition temperature* : 507 °C

10. Stability and Reactivity

- *Stability:*

Stable under normal conditions (room temperature) and recommended storage (refer to Section 7).
- *Conditions to Avoid:*

Avoid heat and open flames.
- *Materials to Avoid:*

Avoid contact with strong oxidizing agents, strong alkalis, and strong acids.
- *Hazardous Decomposition Products:*

A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. Toxicological information

Prolonged and repeated exposures to high concentrations of some volatile hydrocarbon solvents have resulted in adverse health effects such as mucous membrane and respiratory system irritation and central nervous system. Solvents may cause some of the above effects by absorption through the skin.

12. Ecological information

Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms
Harmful to fish
Do not allow to enter drains or watercourses.
Do not allow product to reach ground water, water course or sewage system

13. Disposal considerations

Waste disposal: to be treated according to the valid guide-lines for chemical waste.

14. Transport information

General : Not a dangerous substance
Avoid heat above +50°C, keep separated from foodstuffs.

15. Regulatory information

Hazard Symbols: F

Risk Phrases R:

- R10: Flammable
- R22: Harmful if swallowed
- R36: Irritating to eyes
- R37: Irritating to respiratory system
- R38: Irritating to skin

Safety Phrases S:

- S3 Keep in a cool place
- S9 Keep container in a well-ventilated place
- S15 Keep away from heat
- S16 Keep away from sources of ignition
- S25 Avoid contact with eyes
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S36 Wear suitable protective clothing
- S37 Wear suitable gloves
- S39 Wear eye / face protection

The product does not contain toxic materials such as: toxic heavy metals, free formaldehyde, azo groups, phthalates groups, benzene ... complies with REACH, EN. 71 – 3 (European) and CPSIA, ASTM (US) standard.

16. Other information

The information on the Material Safety Data Sheet is given to the best of our ability based on the present state of our knowledge on hazard, properties and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described is responsibility of the user.