

MATERIAL SAFETY DATA SHEET

For Levo SL

1. IDENTIFICATION OF THE SUBSTANCE

- **Product name:** Levo SL

2. HAZARDS IDENTIFICATION

- A product of low toxicity concerning contact, oral or exposure by inhalation.
- None known chronic health hazards and not expected to have carcinogenic or mutagenic properties.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Common name:** Sophora flavescens plant extract 25%
- **Formulation:** Soluble Liquid

4. FIRST AID MEASURES

- **General advice:** If poisoning occurs, contact a doctor or the Poisons Information Centre.
- **Ingestion:** If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person.
- **Inhalation:** If inhaled, move patient to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen and seek medical attention.
- **Skin contact:** Flush skin with water after contact.
- **Eye contact:** In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

5. FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:** Use water spray, chemical foam or dry extinguishing powder.
- **Specific hazards:** Decomposed products include mainly nitrogen and carbon oxides.
- **Special protective equipment:** Wear protective clothing and use self-containing breathing apparatus.
- **Specific methods:** Make a dike to prevent run-off and contamination of water sources. Reduce the temperature of exposed packages using water in case of fire in the area.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Wear appropriate safety clothing during clean-up activities.
- **Environmental precautions:** Build large dikes using absorbent or impervious materials, such as sand or clay, which can absorb spatters.
- **Methods for cleaning-up:**
 - Recover the remaining material as appropriate.
 - Collect and contain contaminated absorbent and dike material for disposal. Small spatters that might remain should be absorbed by means of sand or vermiculite.
 - Place contaminated material in appropriate container for disposal according to local procedures and regulations.
- If spilled on the ground, the affected area should be removed to a depth of one or two inches (2,5 – 5 cm) and placed in appropriate container for disposal.
- Do not flush material to public sewer systems or any waterways.
- Ensure adequate decontamination of tools and equipment following clean-up.

7. HANDLING AND STORING

- **Handling:** Use good personal hygiene. Do not ingest or inhale. Avoid contact with eyes or skin.
- **Storage:**
 - The product should be stored in compliance with local regulations.
 - Store in a cool dry place in the original container, away from excessive heat and open flame.
 - Do not store near food, animal feeding stuff, fertilizers or seeds.
 - Keep out of reach of children.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- **National occupational exposure limits:** None
- **Eye/Face protection:** Face shield, goggles.
- **Skin and body protection:** Protective clothing, covering the whole of the body. Also, wear chemical resistant gloves.
- **Hygiene measures:** Wash hands and exposed skin before eating, drinking or smoking after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **State:** Liquid
- **Colour:** Brown
- **Odour:** Weak, earthy like
- **Partition coefficient:** Solubility – water freely soluble
- **Melting point (°C):** Not applicable
- **pH:** 4-7

10. STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions
- **Conditions to avoid:** Open flames or other high temperature sources, which might induce thermal decomposition.
- **Materials to avoid:** Alkaline materials
- **Hazardous decomposition products:** Not expected

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity Oral (rat):** LD50 ≥ 2000 mg/kg (M + F)
- **Acute toxicity Dermal (rat):** LD50 ≥ 2000 mg/kg (M + F)
- **Skin irritation (rabbit):** None
- **Eye irritation (rabbit):** Moderately irritant
- **Long term toxicity:** None

12. ECOLOGICAL INFORMATION

- **Mobility:** Does not leach to ground water.

13. DISPOSAL CONSIDERATION

- **Wastes from residues / Unused products:** Dispose of in accordance with local state and federal regulations. Do not contaminate water, food or feed by storage or disposal.
- **Contaminated packaging:** Same as indicated for wastes from residues/ unused products above.

14. TRANSFORMATION INFORMATION

- **Proper shipping name:** Plant-sourced extracted product from medical plants. Non-Dangerous Product.



15. REGULATORY INFORMATION

- ***U.S. Federal Regulations***
 - **OSHA:** Not applicable
 - **TSCA:** Exempt
 - **CERCLA:** Not applicable

- ***SARA TITLE III HAZARD CLASSIFICATION SECTIONS 311 AND 312***
 - **Immediate (acute) Health:** None
 - **Delayed (chronic) Health:** None
 - **Fire:** None
 - **Sudden Release of Pressure:** None
 - **Reactivity:** None

16. OTHER INFORMATION

The information contained in the Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for with other materials or in processes other than those specifically described herein.

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