

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE

Product name: Kobe

2. COMPOSITION/INFORMATION ON INGREDIENTS

Common name: 10% Rheum officinale Bail

Formulation: Solution Liquid

Water balance

3. FIRST AID MEASURES

General advice: If poisoning occurs, contact a doctor or Poisons Information Center.

Ingestion: If swallowed, induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove 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 contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

4. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use water spray, chemical foam, or dry extinguishing powder

Specific Hazards: Decompose products include mainly nitrogen and carbon oxides.

Special protective equipment: Wear protective clothing and use self-containing breathing apparatus.

Specific methods: Dike area to prevent runoff and contamination of water sources. Cool fire exposed packages with water

5. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate safety clothing during cleanup activities.

Environmental precautions: Dike large spatter, using absorbent or impervious materials such as sand or clay.

Methods for cleaning up:

- Recover remaining material as appropriate.
- Collect and contain contaminated absorbent and dike material for disposal.
- Absorb small spatter on 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 and placed in an appropriate container for disposal.

- Do not flush material to public sewer systems or any waterways.
- Ensure adequate decontamination of tools and equipment following cleanup

6. HANDLING AND STORAGE

Handling:

Use good personal hygiene. Do not ingest or inhalation. Avoid contact with eyes or skin.

Storage:

- Product should be stored in compliance with local regulations.
- Store in a cool dry place in original container, away from excessive heat and open flame.
- Do not store near food, animal feeding stuffs, fertilizers, or seeds.
- Keep out of reach of children.

7. EXPOSURE CONTROL/PERSONAL PROTECTION

Common name: 10% Rheum officinale Baill

National occupational exposure limits: None

Toxic: Low toxic material

Eye/Face protection: Face shield, goggles.

Skin & body protection: Protective clothing

Hygiene measures: Wash hands and exposed skin before eating, drinking or smoking after work.

8. PHYSICAL & CHEMICAL PROPERTIES

State: Liquid

Color: Deep brown

Odor: A little

Partition coefficient: Solubility –water freely soluble

Specific Gravity: 1.1-1.20

Melting point (°C): Not applicable

Flash point (°C): Not applicable

Auto ignition temp (°C): Not applicable

Vapor pressure (mm Hg): Not applicable

9. STABILITY & REACTIVITY

Stability: Stable

Conditions to avoid: Open flames or other high temperature sources, which might induce thermal decomposition.

Material to avoid: Alkaline materials.

Hazardous decomposition products: Not expected.

10. TOXICOLOGICAL INFORMATION

Acute toxicity Oral(rat): L D 50≥2000mg/kg (M+F)

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| Acute toxicity Dermal(rat): | L D 50 \geq 2000mg/kg (M+F) |
| Skin Irritation (rabbit): | None |
| Eye Irritation (rabbit): | Light irritant |
| Long term toxicity: | None |
| Chronic toxicity: | Non-carcinogenic, non-teratogenic, non-mutagenic or reproductive, Not Harmful in laboratory animals. |

11. ECOLOGICAL INFORMATION

Mobility: Does not leak to ground water

12. DISPOSAL CONSIDERATIONS

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.

13. TRANSPORTATION INFORMATION

Proper shipping name: Plant-sourced extracted from medical plants – Non Dangerous Product

14. OTHER INFORMATION

R-phrase:

R-22: Harmful if swallowed

R-50/53: Might be toxic to aquatic organisms, may cause long- term adverse effects in the aquatic environment

S-phrase:

S-2: Keep out of the reach of children.

S-24/25: Avoid contact with skin and eyes.

S-60: This material and its container must be disposed of as hazardous waste.

S-61: Avoid release to the environment. Refer to special instructions/safety data sheets

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.