

Material Safety Data Sheet

אל בועית - Al Buit

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1. IDENTIFICATION OF SUBSTANCE AND COMPANY

Common name: Al Buit

Use: Anti-foaming agent, Non-ionic aqueous emulsion of polydimethyl-silicones

Formulation Type: SL

Manufacturer: Tapazol Chemical works Ltd.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS no.	Quantity (%)
Methyl Silicone	63148-62-9	50
Formaldehyde	50-00-0	<0.1
1,2-Benzisothiazol-3-one, Sodium Salt	N/A	0.1

3. HAZARDS IDENTIFICATION

May cause slight brief irritation to skin or eyes. Harmful by inhalation and may cause skin sensitization.

4. FIRST AID MEASURES

Eyes: Flush eyes with large amounts of water while eyelids are open for at least 15 minutes. If irritation develops and persists, get medical attention.

Skin: Flush with large amounts of water. Remove grossly contaminated clothing, including shoes, and launder before reuse. If irritation develops and persists, get medical attention.

Ingestion: If swallowed, DO NOT induce vomiting. Keep at rest and get prompt medical attention.

Inhalation: Immediately remove the affected victim from exposure to an area of fresh air. Administer artificial respiration if breathing has stopped. Keep at rest and call for prompt medical attention.

Note to physician: No specific antidote, treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point: $>80^{\circ}\text{C}$.

Flammable properties: Although this product is not flammable, any residues after loss of water may burn if involved in a serious fire and may emit noxious or toxic fumes of carbon and silica.

Extinguishing media: Carbon dioxide, foam, dry chemical powder, fine water spray.

Protective equipment: Normal protective equipment and self-contained breathing apparatus.

Hazardous products of combustion may include: After loss of water, combustion or thermal decomposition may release CO, CO₂ and Silica.

More information: Do not allow run-off from the fire enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear personal protective equipment as prescribed in section 8 – "Exposure controls/Personal protection".

Environmental Protection: Prevent the material from entering sewage and water courses.

Procedure: Absorb with material such as sand or earth and collect into containers for disposal. Dike area in case of large spills. Report large spills.

For spills in public area, keep public away and advise local authorities.

Wash clothes, equipment and work area after cleaning.

7. HANDLING AND STORAGE

Storage: Store in tightly closed original container in a cool, dry, well-ventilated area out of direct sunlight and out from the reach of children. Do not store with food, feedstuffs, fertilizers and seeds.

Handling: Wear personal protective equipment as prescribed in section 8 – "Exposure controls/Personal protection".

Do not eat, drink or smoke while handling.

Change clothes and wash thoroughly when finishing working with the product.

Wash working clothes in separate from household laundry and do not re-use clothes that are not washed.

See product label for further handling/storage precautions relative to the end use of this product.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure control: Formaldehyde: MEL (ST) 2 ppm, MEL (LT) 2 ppm.

Engineering controls: If airborne mists or vapors are likely to be generated, use local exhaust ventilation controls.

Eye/ Face protection: If there is splash hazard, chemical goggles with side shields are required.

Skin/Body protection: Long working clothes, closed shoes with socks and chemical resistant gloves (PVC).

Respiratory protection: If airborne concentration may be high, a respirator with appropriate filter is needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White, milky, slightly viscous liquid.

Odor: Weak.

Viscosity: 75 mPa (25⁰C).

Water solubility: Soluble.

Relative density: About 1.0.

pH: 4-8

10. STABILITY AND REACTIVITY

Chemical stability: Stable under ordinary conditions of use and storage.

Conditions to avoid: Heat, flame, ignition sources, strong acids and bases.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Oral and dermal toxicity: Not considered acutely toxic on ingestion or with contact with skin.

Skin Sensitization: Contains substances which may cause sensitization.

Inhalation: Harmful by inhalation.

Skin and eye irritation: May cause slight brief irritation to skin or eyes.

Chronic toxicity:

Carcinogenicity: Contains <0.1% formaldehyde, which is EEC Classification: Carcinogen Category 3.

12. ECOLOGICAL INFORMATION

Fish: LC50 for Brachydanio rerio: >100 mg/l.

Daphnia: EC50 (48h): >100 mg/l.

13. DISPOSAL CONSIDERATIONS

Dispose of according to local regulations. Avoid entry of product into sewer system or water surfaces.

14. TRANSPORT INFORMATION

This product is not classified as dangerous goods for transportation.

Proper Shipping name, UN no., Class, Packaging group: N/A.

15. REGULATORY INFORMATION

R phrases:

R20: Harmful by inhalation

R36/38: Irritating to eyes and skin

R43: May cause sensitization by skin contact

For Formaldehyde:

R23/24/25 Toxic by Inhalation, In contact with skin and if swallowed

R34 Causes burns

R40 Possible risks of irreversible effects

For 1,2-Benzisothiazol-3-one, Sodium Salt:

R22 Harmful if swallowed

R34 Causes burns

S phrases:

S23: Do not breathe vapor

S24/25: Avoid contact with skin and eyes

16. OTHER INFORMATION

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