

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** SONAMAG B100+

**Use / description of product:** A Black Magnetic Ink for use in the Magnetic Particle Inspection Process  
(BS EN ISO 9934-2:2002).

**Company name:** Sonatest Ltd  
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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** KEROSENE - UNSPECIFIED - DISTILLATES (PETROLEUM),  
HYDROTREATED LIGHT >90%  
EINECS: 265-149-8 CAS: 64742-47-8  
[Xn] R65; [N] R51/53; [Xi] R66

- POWDER DISPERSION AGENT <1%  
[Xi] R41; [N] R50
- CO2 1-10%  
EINECS: 204-696-9 CAS: 00124-38-9

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Harmful: may cause lung damage if swallowed.

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** There may be irritation and redness with prolonged contact

**Eye contact:** There may be irritation and redness.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Wash immediately with plenty of soap and water. Remove contaminated clothing, including shoes, and launder before re-use.

**Eye contact:** Bathe the eye with running water for 15 minutes. If irritation persists get medical assistance.

**Ingestion:** Do not induce vomiting. Keep at rest. Transfer to hospital as soon as possible.

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**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Foam Dry chemical powder. Water spray. Use water spray to cool surfaces exposed to fire and protect personnel.

**Exposure hazards:** Containers may explode if exposed to fire.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Absorb into dry earth or sand. Use absorbant granules as required. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**7. HANDLING AND STORAGE**

**Handling requirements:** Smoking is forbidden. Do not use near sources of ignition. Use good hygienic practice and housekeeping methods.

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight. Store in dry conditions.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** KEROSENE - UNSPECIFIED - DISTILLATES (PETROLEUM),  
HYDROTREATED LIGHT  
TWA 1000mg/m<sup>3</sup> (manufact)

- CO<sub>2</sub>  
TWA 5000PPM STEL 15000PPM

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure component contact areas are clean if using current flow technique (this reduces heat and vapour generated).

**Respiratory protection:** Respiratory protection should not be necessary during normal use.

**Hand protection:** Butyl gloves. Nitrile gloves. Gloves (oil-resistant).

**Eye protection:** Safety glasses/goggles are recommended.

**Skin protection:** Overalls recommended. No special protection other than hands.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- State:** Aerosol  
**Colour:** Dark grey/black when shaken.  
**Odour:** Paraffinic odour  
**Solubility in water:** Not miscible  
**Viscosity:** Non-viscous  
**Viscosity value:** 3.2cSt  
**Flash point°C:** >100  
**Relative density:** 0.82

**10. STABILITY AND REACTIVITY**

- Stability:** Stable under normal conditions.  
**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition.  
**Materials to avoid:** Strong oxidising agents. Natural rubbers, polystyrene and butyl rubbers  
**Haz. decomp. products:** None

**11. TOXICOLOGICAL INFORMATION**

- Hazardous ingredients:** POWDER DISPERSION AGENT  
ORL RAT LD50 >2000 mg/kg  
**Chronic toxicity:** Frequent or prolonged contact may irritate and cause skin dryness, cracking and dermatitis.  
**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

- Mobility:** Insoluble in water. Floats on water. This product is not classified as a Volatile Organic Compound according to the directive 99/13/EC.  
**Persistence and degradability:** Rapidly biodegradable. Aerobically biodegradable.  
**Bioaccumulative potential:** No data available.  
**Other adverse effects:** Toxic to aquatic organisms.

**13. DISPOSAL CONSIDERATIONS**

- Disposal operations:** Full aerosol cans must be disposed of as hazardous waste. Empty aerosol cans should be disposed of in accordance with local authority regulations.  
Best disposal practice would be depressurisation of can and incineration of liquid product.  
Manufacturer can advise on recovery.  
**Disposal of packaging:** Empty aerosols can be recycled. Packaging card and plastics can be recycled.

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**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

**ADR / RID**

**UN no:** 1950 **ADR Class:** 2  
**Classification code:** 5A  
**Shipping name:** AEROSOLS  
**Labelling:** 2.2



**IMDG / IMO**

**UN no:** 1950 **Class:** 2  
**EmS:** F-D,S-U **Marine pollutant:** .  
**Labelling:** 2.2

**IATA / ICAO**

**UN no:** 1950 **Class:** 2  
**Labelling:** 2.2

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.  
 Dangerous for the environment.



**Risk phrases:** R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R66: Repeated exposure may cause skin dryness or cracking.  
 R65: Harmful: may cause lung damage if swallowed.

**Safety phrases:** S3/9/14: Keep in a cool, well ventilated place away from combustible materials.  
 S23: Do not breathe vapour.  
 S24/25: Avoid contact with skin and eyes.  
 S36/37: Wear suitable protective clothing and gloves.  
 S38: In case of insufficient ventilation, wear suitable respiratory equipment.

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S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Precautionary phrases:** Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

**Water hazard class:**

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. OTHER INFORMATION

**Risk phrases used in s.2:** R65: Harmful: may cause lung damage if swallowed.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R66: Repeated exposure may cause skin dryness or cracking.  
R41: Risk of serious damage to eyes.  
R50: Very toxic to aquatic organisms.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.