

# NIROL - R

## (Material Safety Data Sheet For Asphalt Emulsions)

### 1. Identification of the Product and Company

- 1.1 Nirol R –cold applied bitumen rubber emulsion for waterproofing.
- 1.2 Application – foundation footings, beams and underground structures which are in contact with ground water.
  - Retaining walls and basements.
- 1.3 Company Identification
  - Modern Waterproofing Company
  - 2,EL-Sobki st., Dahabi Sq., Roxy, Cairo , Egypt
- 1.4 Telephone Number + 202 24141003
  - Fax. + 202 22912315

### 2. Composition / Information on Ingredients

- Petroleum Asphalt, with Polymer Additive (rubber latex) and thixotropic liquid emulsion.
- Emulsified asphalt prepared with mineral colloid emulsifying agents, without fibrous reinforcement.

### 3. Hazards

**EYES:** Eye contact may result in eye irritation or burns.

**SKIN:** Skin contact with hot product can cause thermal burns.

**INGESTION:** This material can irritate the mouth, throat, stomach, and cause nausea, vomiting, diarrhea.

**INHALATION:** No significant health effects are expected to occur from short-term exposures to this product at ambient temperatures.

### 4- First Aid Measures

**EYES:** For contact with molten material, flush eyes with clean low-pressure water for a minimum of 15 minutes. Seek immediate medical care.

**SKIN:** Remove contaminated clothing. Wipe excess product off with a dry cloth. Wash affected area well with a waterless cleanser followed by soap and water.

**INGESTION:** Do not induce vomiting. Seek prompt medical attention if significant amounts are swallowed or irritation/discomfort occurs.

**INHALATION:** If affected, move person to fresh air.



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### 5. Fire Fighting

FLAMMABILITY OF Nirol-R: NFPA Class IIIB combustible material  
FLAMMABLE LIMITS IN AIR, Lower: Not Applicable

### 6. Accidental Release Measures

Not applicable

### 7. Handling & Storage

Do not breathe fumes or vapor from heated material.

### 8. Exposure Controls/Personal Protection

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Special ventilation may be required for handling conditions at elevated temperatures. Ensure that eyewash stations and safety showers are close to the workstation location.

### 9. Physical and Chemical Properties

Items	Specifications
S.G at 25 °C	1.1±0.05
colour	Black
Bone dry at 25 °C	2 hours
Complete hardening	2-3 days
Solid content	45% ±5 %
Rubber content	Up to 10 % for dry film
Shelf life at 20 °C	12 months

### 10. Stability and Reactivity

The product is stable

**INCOMPATIBILITY WITH VARIOUS SUBSTANCES:** Reacts with strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** At ambient temperature this product does not decompose. Burning or excessive heating may produce carbon monoxide sulfur oxides, hydrogen sulfide and other harmful vapors and gases.

### 11. Toxicological Information

Fumes emitted from heated product are irritating to the eyes and respiratory tract. Dust/particles may be the source of physical irritants. Repeated or prolonged skin contact with asphalt at ambient temperatures can result in skin irritation.

### 12. Ecological Information

This product is soluble in water and will disperse in water environment. Water Insoluble hydrocarbons from this material may separate.



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### 13. Disposal Considerations

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### 14. Transport Information

Not regulated by the U.S. Dept of Transportation as a hazardous material.

### 15. Regulatory Information

References: Suppliers data sheets.

### 16. Other Information

This data sheet and the advice given apply only when the product is used for the stated application according to the directions for use. Use for other applications may give rise to risks not covered by this data sheet.

If you have purchased this product for use by a third party it is a requirement that you make the information contained in this data sheet available to that person and that you ensure that the spirit and intention of the recommendations are implemented.

This data sheet does not constitute a users

This Material Safety Data Sheet supersedes all previous issues.



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