

MATERIAL SAFETY DATA SHEET

| Section I – Product Information | | | |
|------------------------------------|---|---------------------|--|
| Product Name or Identity: | NITROFURAZONE (FURA-ZONE, NFZ Wound Dressing) | | |
| Manufacturer's Name: | Neogen Corporation | Emergency Phone No. | 859 254 1221 |
| | 944 Nandino Blvd. | Fax No.: | 859 255 5532 |
| | Lexington, KY 40511 | e-mail: | inform@neogen.com |
| Date Prepared or Revised: 05/28/04 | | | |

| Section II – Hazardous Ingredients / Identity Information | | | |
|--|--|---|-----------------------------------|
| Hazardous Components (Specific Chemical Identity: Common Names) | OSHA PEL (Permissible Exposure Limits) | ACGIH TLV (Threshold Limit Value) | Toxicity Data LD ₅₀ |
| NITROFURAZONE 0.2% w/w | Not Established | Not Established | Oral-Rat 590 mg/kg |
| CAS NUMBER 59-87-0 | | | |
| INERTS 99.8% w/w | Not Applicable | Not Applicable | Not Applicable |
| | | | |

| Section III – Physical Characteristics | |
|---|--|
| Boiling Point: N/A | Specific Gravity (H ₂ O = 1): N/A |
| Vapor Pressure (mm Hg.): N/A | Melting Point: |
| Vapor Density (AIR = 1): N/A | Evaporation Rate (Butyl Acetate = 1): N/A |
| Solubility in Water: Appreciable | |
| Appearance and Odor: Bright yellow gel, practically odorless. | |

| Section IV – Fire and Explosion Hazard Data | |
|---|--|
| Flash Point (<i>Method Used</i>): N/A | Flammable Limits: LEL (Lower Explosive Limit) - N/A UEL (Upper Explosive Limit) - N/A |
| Extinguishing Media: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE OR FOAM AS APPROPRIATE FOR SURROUNDING FIRE AND MATERIALS | |
| Special Fire Fighting Procedures: AS WITH ALL FIRES EVACUATE PERSONNEL TO SAFE AREA. FIREFIGHTERS SHOULD USE SELF-CONTAINED BREATHING EQUIPMENT AND PROTECTIVE CLOTHING | |
| Unusual Fire and Explosion Hazards: THIS MATERIAL IS ASSUMED COMBUSTIBLE. WHEN HEATED TO DECOMPOSITION MATERIAL EMITS TOXIC FUMES. | |

| Section V – Reactivity Data | | | |
|---|----------------|---|---|
| Stability | Unstable | | Conditions to Avoid: MATERIAL IS STABLE FROM A SAFETY POINT OF VIEW |
| | Stable | X | |
| Incompatibility (<i>Materials to Avoid</i>): CO ₂ , CO, NITROGEN OXIDES | | | |
| Hazardous Decomposition or Byproducts: WHEN HEATED TO DECOMPOSITION MATERIAL EMITS TOXIC FUMES. | | | |
| Hazardous Polymerization | May Occur | | Conditions to Avoid: None |
| | Will Not Occur | X | |

| Section VI – Health Hazard Data | | | |
|---|---|----------------------|-----------------|
| Route(s) of Entry: | Inhalation-Minor | Skin and eye-Primary | Ingestion-Minor |
| Health Hazards (Acute and Chronic) | Eye, skin and/or respiratory tract irritation possible. May cause hypersensitivity in some people. | | |
| Carcinogenicity: NTP? NO (National Toxicology Program) | IARC Monographs? NO (International Agency for Research in Cancer) | OSHA Regulated? NO | |
| Signs and Symptoms of Exposure: May cause irritation to eyes and skin. Nitrofurazone is a sensitizer, ingestion may cause nausea, shock to a sensitized person. | | | |
| Medical Conditions Generally Aggravated by Exposure: Labeling contains this caution statement: HUMAN WARNINGS; Carcinogenesis: Nitrofurazone has been shown to produce mammary tumors in rats and mice. Some people may be hypersensitive to this product. Either wear gloves when applying, or wash hands afterwards. KEEP OUT OF REACH OF CHILDREN | | | |
| Emergency / First Aid Procedures | Ingestion: If person is conscious, give water to dilute, induce vomiting, repeat until clear, seek medical attention. | | |
| | Eye Contact: May cause irritation. Flush with water for 15 minutes. Seek medical attention. | | |
| | Skin Contact: Wash with soap and water. | | |
| Section VII – Precautions for Safe Handling and Use | | | |
| Accidental Release Measures: Wear protective gloves and safety glasses. Scoop up material into sealed container, mop area with soap and water. | | | |
| Waste Disposal Method: Dispose of in approved landfill. Dispose in accordance with local, state and federal regulations. | | | |
| Handling and Storing: Store in a cool area. | | | |
| Other Precautions: For Veterinary Use Only. Not for use in food-producing animals. | | | |
| Section VIII – Control Measures | | | |
| Respiratory Protection (Specify Type): None | | | |
| Ventilation | Local Exhaust: Recommended | Special: | |
| | Mechanical (General): Recommended | Other: | |
| Protective Gloves: Wear rubber gloves to avoid contact | | Eye Protection: None | |
| Other Protective Clothing or Equipment: | | | |
| Work / Hygienic Practices: Avoid contact, wash after handling | | | |

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.