

MATERIAL SAFETY DATA SHEET

Section I – Product Information			
Product Name or Identity:	NITROFURAZONE (NFZ puffer)		
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 powder, 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.