

**GELEST, INC.**  
11 East Steel Rd. Morrisville, PA 19067  
Phone (215) 547-1015

MATERIAL SAFETY  
DATA SHEET

EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **SODIUM FUMARATE - CXSO046**

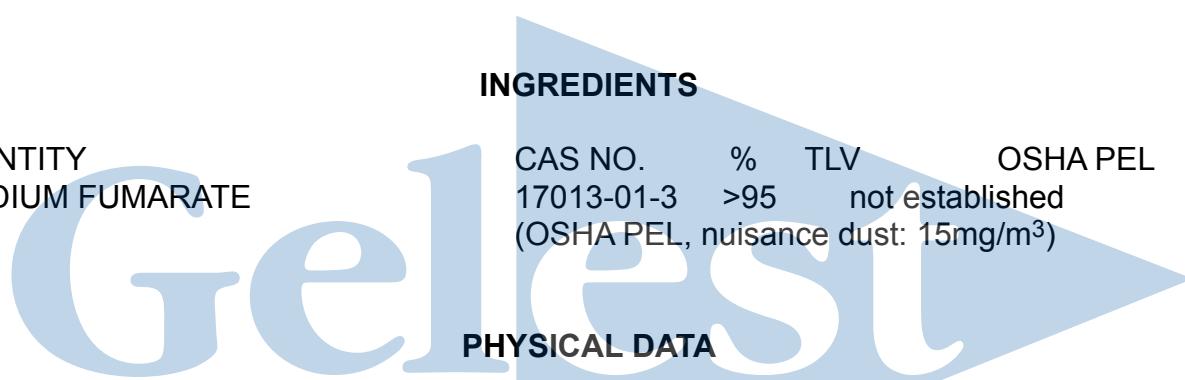
CHEMICAL NAME: SODIUM FUMARATE

SYNONYMS: FUMARIC ACID, DISODIUM SALT

CHEMICAL FAMILY: ORGANIC ACID SALT

FORMULA:  $C_4H_2O_4Na_2$

HMIS CODES    HEALTH: 1    FLAMMABILITY: 1    REACTIVITY: 0



**FIRE & EXPLOSION DATA**

Flash Point, COC: NA

Autoignition Temp.: NA

Flammability Limits- LEL: NA    UEL: NA

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(CXSO046)

## ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Dispose of as solid waste, alternately incinerate as admixture with fuel equipped with scrubber. Follow all chemical pollution control regulations.

## HEALTH HAZARD DATA

Eye Contact: Will cause immediate or delayed severe eye irritation.

Skin contact: May produce mild irritation or contact dermatitis. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects. By analogy, potential allergic sensitization may occur on exposure to dust.

Inhalation: Inhalation of particles will irritate the respiratory tract.

Ingestion: Moderately toxic. Systemic effects include hypermotility, diarrhea, nausea or vomiting.

Oral Toxicity- rat, LD50: 8000mg/kg

Chronic Toxicity: Not determined

## SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

## REACTIVITY DATA

Stability: Stable in sealed containers.

Conditions to avoid: Strong oxidizing agents, peroxides.

Hazardous decomposition products: Organic acid vapors and sodium oxide fumes.

-2-(CXSO046)

## SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved dust and mist respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

## OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store in sealed containers.

## TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS NOI

DOT HAZARD CLASS: None required

DOT LABEL: None required

DOT ID No: None required

Prepared by safety and environmental affairs

ISSUE DATE CXSO046: 1/20/09

SUPERSEDES: 9/27/05

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specifications.

-3-(CXSO046)

© 2009 Gelest Inc. Morrisville, PA 19067