

GELEST, INC.
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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME ON LABEL: **SODIUM DIBUTYLDITHIOCARBAMATE, 47% in water - AKS732**

CHEMICAL NAME: SODIUM DIBUTYLDITHIOCARBAMATE, 47% in water

SYNONYMs: DIBUTYLCARBAMODITHIOIC ACID, SODIUM SALT

CHEMICAL FAMILY: DITHIOCARBAMATE SOLUTION

FORMULA: C9H19NS2Na

HMIS CODES HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0

IDENTITY

SODIUM DIBUTYLDITHIOCARBAMATE
WATER

INGREDIENTS

CAS NO.

%

TLV

OSHA PEL

136-30-1
7732-18-5

>45
>50

not established

PHYSICAL DATA

Boiling Point: 100°- initial (water)

Melting Point: <0°C

Specific Gravity: 1.09

Vapor Pressure, 20°: not determined

Vapor Density (air = 1): NA

Solubility in water: soluble

% volatiles: NA

Evaporation rate: NA

Molecular Weight: 237.36

Other: pH 10-11

Appearance & Color: Clear to light yellow solution with slight ammoniacal odor

FIRE & EXPLOSION DATA

Flash Point, COC: >110°C (>230°F) Autoignition Temp.: not determined

Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Not combustible.

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

Unusual Fire and Explosion Hazards: None

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Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material information System; CAS No.: Chemical Abstract Service Registration Number
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ENVIRONMENTAL INFORMATION

Spill response: Absorb onto clay or vermiculite, sweep material, avoiding inhalation of vapors.

Recommended Disposal: Landfill. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Causes alkali burns.

Eye Contact: May cause moderate immediate or delayed eye irritation.

Skin contact: May produce moderate irritation. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates may irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Oral Toxicity: not determined

Chronic Toxicity: There are no known chronic effects related to this compound.

This material is not mutagenic by Ames Salmonella assay.

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. Call a physician.

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

REACTIVITY DATA

Stability: Stable.

Conditions to avoid: None determined

Incompatibility (materials to avoid): None determined

Hazardous decomposition products: Carbon dioxide and sulfur oxides.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV mist type/ organic amine respirator is required.

Eye and Face Protection: Safety glasses.

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: Not Regulated

DOT LABELS: Not Required

DOT ID No: Not Applicable

Prepared by safety and environmental affairs

ISSUE DATE AKS732: 1/26/05

SUPERSEDES: none

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.

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