

# 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:  $C_9H_{19}NS_2Na$

HMIS CODES HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0

## INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
SODIUM DIBUTYLDITHIOCARBAMATE	136-30-1	>45		not established
WATER	7732-18-5	>50		

## PHYSICAL DATA

Boiling Point: 100° - initial (water)

Specific Gravity: 1.09

Vapor Density (air = 1): NA

% volatiles: NA

Molecular Weight: 237.36

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

Melting Point: <0°C

Vapor Pressure, 20°: not determined

Solubility in water: soluble

Evaporation rate: NA

Other: pH 10-11

## 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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## 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.

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## **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

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