

# MATERIAL SAFETY DATA

The Euclid Chemical Company • Cleveland, Ohio 44110

FOR TRANSPORTATION & SAFETY EMERGENCIES CALL: 1-800-255-3924  
INTERNATIONAL USERS CALL COLLECT: 1-813-979-0626

TRADE NAME  
Accelguard DSA

CHEMICAL NAME  
Calcium Nitrate, Sodium Thiocyanate Aqueous Solution

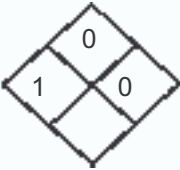
## 1. INGREDIENTS

MATERIAL	CAS #	%	ACGIH(TLV)	PEL
Calcium Nitrate	13477-34-4	10 - 40		
Sodium Thiocyanate	540-72-7	10 - 25		
Triethanolamine	102-71-6	1 - 5	NE	
Diethanolamine	111-42-3	1 - 15	NE	
Water	7732-18-5	30 - 60	NE	

## 2. PHYSICAL DATA

APPEARANCE Yellowish Liquid	ODOR None	MELTPOINT NA	SPECIFIC GRAVITY 1.22
VAPOR DENSITY (AIR=1) NE	%VOLATILE BY WEIGHT   VOC Approx. 75%   None	BULK DENSITY NA	BOILING POINT NE
VAPOR PRESSURE NE	%SOLUBILITY(H <sub>2</sub> O) Miscible	EVAPORATION RATE Same as water	PH 10 - 12

## 3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT & METHOD NA (Water Based)	NFPA FIRE HAZARDS IDENTIFICATION SYSTEM 
FLAMMABLE LIMITS LEL NE UEL NE	
EXTINGUISHING MEDIA Water Fog, Foam, Dry Chemical	
SPECIAL FIRE FIGHTING PROCEDURES Prevent exposure to fumes using accepted fire fighting techniques.	
UNUSUAL FIRE AND EXPLOSION HAZARDS NE	

## 4. PHYSIOLOGICAL EFFECTS

LD50 ORAL (INGESTION) RAT - 650 mg/kg	LD50 DERMAL (SKIN CONTACT) NE	LC50 (INHALATION) NE
PRIMARY ROUTE OF EXPOSURE Skin, eyes, inhalation	THRESHOLD LIMIT VALUE (TLV) NE	

EFFECTS OF OVEREXPOSURE

Eye: May cause irritation, chemical burns.  
Skin: May cause irritation.  
Inhalation: Mist may cause irritation of the lung.  
Ingestion: May cause gastrointestinal irritation.



THE EUCLID CHEMICAL COMPANY  
19218 REDWOOD RD  
CLEVELAND, OHIO 44110  
1-800-321-7628 OR 216-531-9222

NE - NOT ESTABLISHED  
NA - NOT APPLICABLE

## 5. EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move to fresh air. If symptoms persist, seek medical attention.

Eyes: Flush with running water for 15 minutes.

Skin: Wash with soap and water. If rash or other disorders develop, seek medical attention.

Ingestion: Call a Physician or Poison Control Center immediately.

## 6. U.S. D.O.T. SHIPPING DESCRIPTION

DOT: Not regulated

## 7. SPECIAL PROTECTION INFORMATION

### VENTILATION

Local Exhaust

### RESPIRATORY

None normally required. NIOSH/MSHA approved organic vapor for mists or vapors.

### EYE PROTECTION

Safety glasses or splash goggles

### PROTECTIVE GLOVES

Impervious gloves

### OTHER

All chemicals should be handled so as to prevent eye contact and excessive or repeated skin contact. Appropriate eye and skin protection should be employed. Inhalation of dusts and vapors should be avoided.

## 8. CHEMICAL REACTIVITY

### CONDITIONS CAUSING INSTABILITY

Stable

### INCOMPATIBILITY (MATERIALS TO AVOID)

Avoid contact with oxidizers, strong mineral acids, halogenated organic compounds

### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, and other unidentified organic compounds.

### SPECIAL SENSITIVITY

NE

## 9. STORAGE INFORMATION

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep from freezing and high ambient temperatures. Do not store near extreme heat or open flames.

## 10. SPILL, LEAK, AND DISPOSAL INFORMATION

### STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED

Dike spill to minimize contamination. Absorb spill with sand, earth, or other suitable absorbent. Transfer to appropriate container for disposal.

### WASTE DISPOSAL METHOD

Dispose of in accordance with all federal, state, and local laws and regulations.

### PREPARED BY

Rich Mikol

### DATE

05/12/04

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Accelguard DSA

### TELEPHONE NUMBER

216-531-9222

### SUPERSEDES MSDS DATED

03/14/03

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.

Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.