

836

## MATERIAL SAFETY DATA SHEET

For Assistance, Contact:  
Regulatory Affairs Dept.  
PO Box 907 Ames, IA

HACH COMPANY  
PO BOX 907  
AMES, IA 50010

Emergency Telephone #  
(515) 232-2533

## I. PRODUCT IDENTIFICATION

CATALOG NUMBER: 836 PRODUCT NAME: Diphenylcarbazone Reagent  
CAS. NO.: Not applicable CHEMICAL NAME: Not applicable  
FORMULA: Not applicable  
CHEMICAL FAMILY: Not applicable

For chloride test

## II. INGREDIENTS

INGREDIENTS	Z	TWA	CAS NUMBER	NATURE of HAZARD	RCRA
Phthalic Acid	<75	None listed	188-99-3	May cause eye burns, & skin & respiratory tract irritation	None
Potassium Acid Phthalate ACS Grade	<35	None listed	877-24-7	May cause irritation	None
Syn-Diphenylcarbazone	<1	None listed	538-62-5	Toxicity unknown; may cause irritation	None

## III. PHYSICAL DATA

STATE: solid | APPEARANCE: Light yellow or pink | ODOR: Not determined

SOLUBILITY IN: WATER: Soluble | ACID: Soluble | OTHER: Not determined

BOILING PT.: NA | MELTING PT.: 167C | SPECIFIC GRAVITY: 1.40 | pH: of 5% soln = 3.1

VAPOR PRESSURE: Not applicable | VAPOR DENSITY (air=1): NA | EVAPORATION RATE: NA

METAL CORROSIIVITY - ALUMINUM: ND | STEEL: ND | STABILITY: Stable

STORAGE PRECAUTIONS: Store in a cool, dry place.

## IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT.: Not applicable | METHOD: NA | FLAMMABILITY LIMITS - LOWER: NA | UPPER: NA

SUSCEPTIBILITY TO SPONTANEOUS HEATING: None

SHOCK SENSITIVITY: None | AUTOIGNITION PT.: ND

EXTINGUISHING MEDIA: water mist or spray

FIRE/EXPLOSION HAZARDS: May explode if heated to decomposition

HAZARDOUS DECOMP. PRODUCTS: May evolve phthalic anhydride, explosive dust

OXIDIZER: No | NFPA Codes Health: 1 | Flammability: 1 | Reactivity: 1

CONDITIONS TO AVOID: Heat; contact with sodium nitrate or nitric acid

## V. HEALTH HAZARD DATA

THIS PRODUCT IS corrosive to eyes, irritating to skin and respiratory tract.

ACUTE TOXICITY: Moderately toxic  
ROUTE OF MOST DETRIMENTAL EXPOSURE: Not determined  
TARGET ORGANS: Not determined

CHRONIC TOXICITY: Not determined  
ROUTE OF MOST DETRIMENTAL EXPOSURE: Not determined  
TARGET ORGANS: Not determined

LONG-TERM EFFECTS: Not applicable  
ROUTE OF EXPOSURE: Not applicable  
TARGET ORGANS: Not applicable

OVEREXPOSURE: May burn eyes, irritate skin and mucous membranes

Hach Company  
WORLD HEADQUARTERS  
PD Box 389 Loveland, CO 80539

836

Hach Europe  
BP 51  
B5000 Manur 1  
Belgium

#### VI. PRECAUTIONARY MEASURES

Wash thoroughly after handling.  
Avoid contact with eyes, skin and clothing.  
Do not breathe chemicals.

PROTECTIVE EQUIPMENT: adequate ventilation, safety glasses, disposable gloves

#### VII. FIRST AID

EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes. Call physician. Flush skin with plenty of water.

INGESTION: Do not induce vomiting. Give large quantities of water and at least 1 ounce of milk of magnesia in 1 ounce of water. Call physician immediately.

INHALATION: Remove to fresh air.

#### VIII. SPILL AND DISPOSAL PROCEDURES

IN CASE OF SPILL OR RELEASE: Cover contaminated surfaces with soda ash or sodium bicarbonate. Mix and add water if necessary. Scoop up the slurry and wash the neutral waste down the drain with excess water. Wash the site with soda ash solution.

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

#### IX. TRANSPORTATION DATA

PROPER SHIPPING NAME: Not Currently Regulated

HAZARD CLASS: Not applicable ; ID: NA

DATE: 01/06/87; CHANGE NO.: 5902

#### X. REFERENCES

- 1) In-house information
- 2) Technical judgment
- 3)
- 4)
- 5)
- 6)
- 7)
- 8)

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