# WATER TEST REAGENT

## For Laboratory Use Only

SMALL VOLUMES USED
CONTAINER SIZE RANGE
2 OUNCE - 1 GALLON MAXIMUM

Form G-1 4/78

# MATERIAL SAFETY DATA SHEET

## Section 1 – PRODUCT IDENTIFICATION

| MANUFACTURER'S NAME | EMERGENCY PHONE NO. |
|---|---|
| DEARBORN CHEMICAL CO., Subsidiary, W. R. Grace & Co. | 312/438-8241 |

ADDRESS
300 Genesee St., Lake Zurich, IL 60047

| CHEMICAL NAME AND SYNONYMS | TRADE NAME OR CODE IDENT. |
|---|---|
| Beryllium sulfate tetrahydrate | Code 899 Interference Suppressant |

## Section 2 – INGREDIENTS

| INGREDIENTS | CAS No. | % | EXPOSURE CRITERIA |
|---|---|---|---|
| Beryllium sulfate $\cdot 4H_2O$ | 13510-49-1 | 4 | TWA:0.002 mg/m$^3$ (as Be) |
| Water | | 96 | |

## Section 3 – PHYSICAL DATA

| | | | |
|---|---|---|---|
| BOILING POINT, 760mm Hg | N/K | MELTING POINT | N/A |
| SPECIFIC GRAVITY ($H_2O$ = 1) | | VAPOR PRESSURE | N/K |
| VAPOR DENSITY (AIR = 1) | | SOLUBILITY IN $H_2O$, % BY WT. | complete |
| % VOLATILES BY VOLUME | | EVAPORATION RATE, _____ = 1 | N/K |
| APPEARANCE AND ODOR | Clear liquid. No detectable odor. | pH | 7.0 |

## Section 4 – FIRE AND EXPLOSION HAZARD DATA

| FLASH POINT (and Method Used) | FLAMMABLE LIMITS in AIR, % by VOLUME LOWER | UPPER | AUTO IGNITION TEMPERATURE |
|---|---|---|---|
| None | | | none |

EXTINGUISHING MEDIA ☐ Water Fog ☐ Foam ☐ $CO_2$ ☐ Dry Chemical ☐ Other

SPECIAL FIRE FIGHTING PROCEDURES
none

UNUSUAL FIRE AND EXPLOSION HAZARD
none

## Section 5 – REACTIVITY DATA

| STABILITY (Normal Conditions) | CONDITIONS TO AVOID |
|---|---|
| ☒ Stable ☐ Unstable | none |

INCOMPATIBILITY (Materials to Avoid)
none

HAZARDOUS DECOMPOSITION PRODUCTS
Avoid heating. Fumes are toxic.

| HAZARDOUS POLYMERIZATION | CONDITIONS TO AVOID |
|---|---|
| ☐ May Occur ☒ Will Not Occur | none |

(over)

## Section 6 - HEALTH HAZARD INFORMATION

EXPOSURE LIMIT

Inhalation - peak 0.5 mg/m$^3$ (as Be) for 30 minutes/8 hr. workday.

NOTE: This test chemical is an animal carcinogen via inhalation and skin absorption.

EFFECTS OF OVEREXPOSURE

INHALATION Product is an aqueous solution not expected to release vapors in normal us( Avoid prolonged inhalation. Fumes are toxic and may be harmful to health. Early effects may include swollen mucous membranes in nasal passages. Symptoms are reversible when exposure stops.

INGESTION May be fatal if swallowed. Encourage vomiting using syrup of ipecac emetic or combined toast and tbsp. of milk of magnesia in strong tea. Contact physician and inform of known or suspected ingestion of poisonous substance.

SKIN OR EYE CONTACT Flush from eyes or skin immediately with clear water. Contact physician if eye irritation occurs. Wash area of skin contact with soap and water. Contact dermatitis, especially on broken skin areas, and skin sensitization may occur.

EMERGENCY AND FIRST AID PROCEDURES Use of cautious handling and good hygiene, if spilled, will prevent injury. Remove and wash any clothing in contact with product before reuse.

## Section 7 – SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS

Mechanical exhaust is usually adequate for test use.

RESPIRATORY PROTECTION (Specify Type)

Not required during normal testing period.

| EYE PROTECTION | GLOVES (Specify Type) |
|---|---|
| Safety glasses | Latex rubber or PVC plastic gloves. |

OTHER PROTECTIVE CLOTHING AND EQUIPMENT (Specify Type)

Lab coat

## Section 8 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Use absorbent paper towel with care. Product can be absorbed through the skin. Discard in waste container. Rinse area of spill with water and wipe dry. Use care in cleaning to avoid contact with chemical.

WASTE DISPOSAL METHOD Dispose in chemical waste container. Destroy bottle.

## Section 9 – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Protect container from physical damage. Keep container closed when not in use. For use in water testing only.

OTHER PRECAUTIONS

Shipping Name: DOT Chemicals, NOI, Water Testing Reagents - NOT RESTRICTED

IATA

Prepared By W. M. Morris

Date: 8/79 (Revised 7/84)