

2-2-93
CA1022
Theatre

Product Code: 6206
BORAX-10-MOL GRANULAR

Material Safety Data Sheet



decahydrate
borax

KERR-McGEE CHEMICAL CORPORATION
KERR-McGEE CENTER ■ OKLAHOMA CITY OKLAHOMA 73125

For more detailed information on the hazards of this product, contact Regulations Compliance Department or Medical Services Department at the address above. Technical Information Bulletin is also available. For emergency information, telephone (405) 270-1313 any time.

PRODUCT IDENTIFICATION

Brand Name THREE ELEPHANT borax
Chemical Name Sodium tetraborate decahydrate
Common Name Borax, 10 mol
Formula $\text{Na}_2\text{B}_4\text{O}_7 \cdot 10\text{H}_2\text{O}$
DOT Proper
Shipping Name Not applicable
DOT Hazard
Class Not applicable
DOT I.D. Number Not applicable
Reportable Quantity (RQ) . . . Not applicable
CAS Number 1303-96-4

PHYSICAL AND CHEMICAL PROPERTIES

State Granular solid
Melting Point C 61
Boiling Point C 1575 decomposes
Color White
Odor None
Bulk Density, lb/cu.ft. 50 to 56
Weight Per Gallon Not applicable
Specific Gravity @ 20C 1.7
Water Solubility % by wt. @ 20C 4.78
Flash Point And Method Not applicable
pH Not applicable

HAZARDOUS INGREDIENTS

Chemical Name	Common Name	CAS Number	Hazard
Sodium tetraborate decahydrate	Borax	1303-96-4	Irritant to eyes, nose, throat and lungs. Toxic if swallowed or absorbed through damaged skin. Long-term effects may include reproductive and fetal abnormalities.

PHYSICAL HAZARD INFORMATION

Explosive: No Upper Explosive Limit: Not applicable Lower Explosive Limit: Not applicable
Pyrophoric: No
Flammable: No Flammability Class: Not applicable
Combustible: No Organic Peroxide: No
Oxidizer: No Compressed Gas: No
Reactivity: Stable at normal and expected temperatures and pressures. Gradually loses water of hydration in dry air or at elevated temperatures.
Incompatibilities: Reacts violently with finely divided zirconium .
Hazardous Decomposition: None.
Conditions To Avoid: Heat sources and incompatible materials .

Reported As A Potential Carcinogen
Or Carcinogen

Not Applicable
 OSHA

National Toxicology Program
 International Agency For Research On
Cancer

PRECAUTIONS FOR SAFE HANDLING AND USE

Do not ingest (swallow) material.
Avoid contact with eyes, skin and clothing.
Avoid breathing dust.
Use with adequate ventilation.
Keep container closed.
Store in a cool, dry place.
Good housekeeping practices are important; this product contains trace impurities, such as arsenic, which if allowed to accumulate in equipment, may present a hazard.
Wash thoroughly after handling.

SPILL AND LEAK PROCEDURES

Soil Release: Shovel or sweep up into a container and reclaim for salvage value or dispose of in accordance with federal, state and local regulations. If permitted, wash to an industrial sewer.

Water Spill: Collect by suction or dredge and dispose of as under Soil Release above.

Air Spill: Allow dust to settle, collect and dispose of as above for Soil Release.

Occupational Spill: Shovel or sweep up and dispose of as above for Soil Release.

RCRA Waste Number: Not applicable.

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Ventilation: Use local exhaust and general dilution ventilation techniques. Personnel must use a personal respirator if dust concentration exceeds exposure limit.

Respirator: Use NIOSH/MSHA approved dust and mist respirator if dust concentration exceeds exposure limit and up to 50 mg/m³.

Eye Protection: Wear safety glasses or vented safety goggles.

Gloves: No special requirements. Wear ordinary work gloves.

Clothing: No special requirements. Wear easily washable clothing. Change daily. Wash clothing before reuse.