

LTS Research Laboratories, Inc. Safety Data Sheet YBC-908

1. Product and Company Identification	
Trade Name:	YBC-908
Chemical Formula:	Solid solution of rare earth fluorides
Recommended Use:	Scientific research and development
Manufacturer/Supplier:	LTS Research Laboratories, Inc.
Street:	37 Ramland Road
City:	Orangeburg
State:	New York
Zip Code:	10962
Country:	USA
Tel #:	845-587-2436 / 845-lts-chem
24-Hour Emergency Contact:	800-424-9300 (US & Canada)
	+1-703-527-3887 (International)
	2. Hazards Identification
Signal Word:	Danger
Hazard Statements:	H302+H332: Harmful if swallowed or if inhaled H315: Causes skin irritation
	H319: Causes serious eye irritation
Precautionary Statements:	 P261 Avoid breathing dust/fume/vapor P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P304+P340: IF INHALED: Remove victim to fresh air and keep at res in a position comfortable for breathing P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
HMIS Health Ratings (0-4):	P312: Call a POISON CENTER or doctor/physician if you feel unwell P405: Store locked up P501: Dispose of contents/container in accordance with
HMIS Health Ratings (0-4): Health:	P312: Call a POISON CENTER or doctor/physician if you feel unwell P405: Store locked up P501: Dispose of contents/container in accordance with
HMIS Health Ratings (0-4): Health: Flammability:	P312: Call a POISON CENTER or doctor/physician if you feel unwell P405: Store locked up P501: Dispose of contents/container in accordance with local/regional/national/international regulations

Ceramic None rides): 100 wt% None
rides): 100 wt% None
100 wt% None
100 wt% None
None
4. First Aid Procedures
Seek medical attention if symptoms persist.
Immediately remove any clothing soiled by the product. Remove
breathing apparatus only after contaminated clothing has been
completely removed. In case of irregular breathing or respiratory arres
provide artificial respiration.
None
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Remove victim to fresh air. Supply oxygen if breathing is difficult.
Give one to two glasses of water and induce vomiting. Never induce
vomiting or give anything by mouth to an unconscious person.
Wash affected area with mild soap and water. Remove any
contaminated clothing.
Flush eyes with water, blinking often for several minutes. Remove
contact lenses if present and easy to do. Continue rinsing
5. Firefighting Measures
Non-flammable soratories, Inc.
No special restrictions – use suitable extinguishing agent for
surrounding material and type of fire.
Use full-face, self-contained breathing apparatus with full protective
clothing to prevent contact with skin and eyes. See section 10 for
decomposition products.
6. Accidental Release Measures
Wear appropriate respiratory and protective equipment specified in
special protection information. Isolate spill area and provide
ventilation. Vacuum up spill using a high efficiency particulate
absolute (HEPA) air filter and place in a closed container for disposal.
Take care not to raise dust.
Isolate runoff to prevent environmental pollution.
7. Handling and Storage
Wash thoroughly after handling.
Store in a cool dry place in a tightly sealed container. Store apart from
materials and conditions listed in section 10.
Do not use tobacco or food in work area. Wash thoroughly before
eating and smoking. Do not blow dust off clothing or skin with
compressed air.
Provide sufficient ventilation to maintain concentration at or below
threshold limit.

8. Exposure Controls and Personal Protection Permissible Exposure Limits: 2.5 mg/m³ as F, long-term value Threshold Limit Value: 2.5 mg/m³ as F, long-term value **Special Equipment:** None **Respiratory Protection: Dust Respirator** Protective Gloves: Rubber gloves **Eve Protection:** Safety glasses or goggles **Body Protection:** Protective work clothing. Wear close-toed shoes and long sleeves/pants. 9. Physical and Chemical Characteristics Color Grey/beige Form: Powder, Granules, Pellets Odor: Odorless Water Solubility: Slightly soluble **Boiling Point:** N/A Melting Point: 1100 °C Flash Point: N/A Autoignition Temperature: N/A Density: 7.6 g/cc Molecular weight: N/A 10. Reactivity Stability: Stable under recommended storage conditions Oxidizing agents **Reacts With:** Incompatible Conditions: None ratorías, inc Metal oxide fume Hazardous Decomposition Products: 11. Toxicological Information Potential Health Effects: Eyes: Causes serious eye damage Skin: Causes sever skin burns Ingestion: May cause irritation Inhalation: Toxic Fluorides may cause salivation, nausea, vomiting, diarrhea and Chronic: abdominal pain, followed by weakness, tremors, shallow respiration, convulsions and coma. May cause brain and kidney damage. Chronic Fluoride poisoning can cause severe bone changes, loss of weight, anorexia, anemia and dental defects. Hafnium and hafnium compounds may be irritating to the skin and eyes. There are reports of liver damage from hafnium exposure. Lanthanons can cause delayed blood clotting leading to hemorrhages. Exposure may also lead to sensitivity to heat, itching, increased awareness of odor and taste, and liver damage. N/A Signs & Symptoms: **Aggravated Medical Conditions:** N/A Median Lethal Dose: ~250 mg/kg for rat by mouth IARC-3: Not classifiable as to carcinogenicity to humans. Carcinogen:

IARC-3: Not classifiable as to carcinogenicity to humans. EPA-CBD: Carcinogenic potential cannot be determined. ACGIH A4: Not classifiable as a human carcinogen: Inadequate data on which to classify the agent in terms of its carcinogenicity in humans and/or animals

	12. Ecological Information
Aquatic Toxicity:	Low
Persistent Bioaccumulation Toxicity:	No
Very Persistent, Very Bioaccumulative:	No
Notes:	N/A
	13. Disposal Considerations
Dispose of in accordance with local, state,	national, and international regulations.
	14. Transportation Data
Hazardous:	Hazardous for transportation as powder.
	POISON 6
Hazard Class:	6.1 Toxic substances.
Packing Group:	III
UN Number:	UN3288
Proper Shipping Name:	Toxic solid, inorganic, n.o.s. (YBC-908)
	15. Regulatory Information
Sec 302 Extremely Hazardous:	No
Sec 304 Reportable Quantities:	
Sec 313 Toxic Chemicals:	Components are listed
	16. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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07/15/2015