

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product name: LT catalyst (AR140014)

Alpha Resources, Inc.
P.O. Box 199
Stevensville, MI 49127
Phone: 269-465-5559

2. PRODUCT COMPOSITION

Surface and Inner part : Mixed Oxides of Cu^{II}, Cr^{III}, Al

3. DANGER IDENTIFICATION

Product not dangerous as specified by EEC Regulation 67/548.

4. FIRST AID PROCEDURES

Wash thoroughly with plenty of water after contact with eyes.

5. FIRE EXTINGUISHING PROCEDURES

Use appropriate extinguishing media.
Consider the presence of explosive materials in the surroundings.
Specific dangers: non combustible

6. STEPS TO BE TAKEN IN CASE OF ACCIDENTAL SPILL

Remove and dry.
Dispose in accordance with all applicable environmental regulations.

7. STORAGE AND HANDLING

Handling precautions: none

Storage: material to be kept into closed, dry container.

Product name: LT catalyst (AR140014)

ALPHA RESOURCES INC
3090 JOHNSON RD
STEVENSVILLE, MI. 49127

8. EXPOSURE AND PROTECTIVE EQUIPMENT

Protective Equipment :

- Respiratory protection: breathing apparatus required if powders are generated
- Eye protection: not required
- Hand protection: not required
- Industrial hygienic precautions: after handling, wash hands thorough fully.

9. CHEMICAL AND PHYSICAL DATA & PROPERTIES

Appearance: solid in grains

Color: green/grey

Odor: odourless

pH Value: not available

Melting Point: > 1300°C

Boiling Point : not available

Ignition temperature: not available

Fire Point: not available

Upper and Lower Flash Point: not available

Appearing Density (at 20°C): approx. 0.8 g/m³

Solubility (H₂O) (at 20°C): insoluble

10. STABILITY AND REACTIVITY DATA

Conditions to avoid: no available information

Materials to avoid: alkaline metals, light metals under the form of powder, fluorine, hydrazine and its derivatives, hydroxylamine, hydrogen non metal compounds , hot hydrogen, hydrides, silicium compounds, hot anhydrides

Products dangerous if decomposed: no available data.

11. TOXICOLOGIC DATA

Quantitative data on the toxicology of this material are not available. On the basis of material known properties, no harmful data are expected if utilized with proper care.

12. ECOLOGICAL DATA

No ecological problems should arise if the product is used by adequate precautions.

13. REMARKS ON DISPOSAL

Product: no EEC uniform regulations exist for the disposal of chemical products or their residues.

As a general line, chemical residues are to be treated as special wastes, and their disposal is regulated

by specific laws and decrees locally in force in the various European Community Countries.

Packing: disposed according to national or local regulations. Contaminate packages must be handled

by the same precautions to be taken for harmful materials.

Non contaminated packages can be treated or recycled as regular wastes, if not specified otherwise.

14. TRANSPORTATION

This product is not subject to special transportation rules.

Date Prepared: May 16, 2013

Prepared by: Ken Mantei