



1. Chemical, Product and Company Identification

Manufacturer: **UNITED UMBER INDUSTRIES**

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Product Name: Crude Raw Umber Nostos

Date Revised: 10th October, 2010

2. Material Identification

Trade/Material name : Crude Raw Umber

Other Designations : Ayia Varvara Raw – M Raw – No.67 – No 87C

CAS Number : 12713-03-0

Chemical composition : Fe₂O₃ + MnO₂ + SiO₂
Iron Oxide + Manganite + Silica

3. Hazardous Ingredients

<u>Ingredient name</u>	<u>% wt</u>	<u>PEL-OSHA mg/m³</u>	<u>TLV-ACGIH MG/M³</u>
Mn compound			5
Silica		10	

4. Physical Data

Appearance : Crude (not powdered) Mol. Wt: n.a. MP : n.a.

Vapour Dens. : n.a. Colour : Brown

Density (ISO 787/9) : n.a. B.P.: n.a. Solubility : Insoluble

Volatile % vol : n.a.

5. Fire and Explosion Data

Flash point : n.a. Flammable limits : n.a.

Extinguishing media : As appropriate for surrounding combustibles

6. Reactivity Data

Material is stable

Incompatibility: MnO₂ is an oxidizer. It must not be heated or rubbed against easily oxidizable materials.

If exposed to acids it can liberate hazardous gases

Hazardous decomposition products : none

7. Health Hazard Data

Risk Summary : Skin contact may cause mechanical irritation due to abrasion. Eye contact will result in no specific effects other than general particulate irritation. Not absorbed by the body. Excessive exposure above the TLV can give pulmonary irritation.

Primary entry routes : Inhalation, ingestion.

Acute effects : Inhalation of dust may cause mechanical irritation to the respiratory tract. Skin and eye contact may cause a mechanical abrasion irritation.

Chronic effects : Long term exposure to silica causes silicosis, a form of pulmonary fibrosis. Continued exposure to silica can lead to cardiopulmonary impairment.

First Aid :

Eye Contact: Flush thoroughly with large amounts of water and consult medical help.

Skin Contact: Wash with soap and water.

Inhalation : Remove to fresh air and get medical help for any breathing difficulties.

Ingestion : Consume large amounts of water to induce vomiting and get medical help.

8. Spill, Leaks and Disposal Procedure

Spills and leaks: Use respiratory protection. Vacuum or scoop up and dispose in appropriate waste container. Misting spill with water may help to keep airborne dust levels at a minimum.

Waste Disposal : Waste material can be buried in an approved landfill in accordance to local environmental regulations. This product is not classified as a hazardous material.

9. Special Protection

Respirator : Type 3M or equivalent.

Eye Protection : Safety glasses with side shield or goggles.

Gloves : Cloth, rubber or plastic gloves.

Other protection equipment : Provide adequate exhaust ventilation to meet TLV requirements in the work place. An exhaust filter may be required to avoid environmental contamination.

10. Special Precautions and Storage

Storage temp.: Ambient.

Average shelf life: Unlimited.

Precautions to be taken in handling and storing: Away from food. Store in dry place.

11. Toxicological Information

No information available for this product

12. Ecological Information

No appreciable biocontamination is expected in the environment

13. Disposal Considerations

Material which can not be re-used should be disposed in accordance with federal and local environmental control regulations at an authorised site. This product when discarded as sold is not a hazardous waste.

14. Transportation Information

DOT Shipping Name:	None
Technical Shipping Name:	Inorganic Oxide
DOT Hazardous Classification:	Non-Regulated
DOT UN/NA Number:	None
DOT Labels required:	None
DOT Placards required:	None
Freight Class:	Iron Oxide
Harmonized Tariff Number:	2530.90.0015

15. Regulatory Information

This information is provided in conjunction with the ingredient information of Section 2

EINECS: All components of this product are on the European Inventory of Existing Commercial Chemical Substances (EINECS)

T.S.C.A.: This product is listed on TSC Inventory

OSHA: This product is considered Hazardous by definition of Hazard Communication Standard (29 CFR 117,302) due to content of crystalline silica above 0.1%

Canadian WHMIS: Contains Crystalline Silica that may cause cancer, High dust levels may cause skin, eye and upper respiratory tract irritation

CEPA: All Components of this product are on the Domestic Substances List (DSL), and acceptable for use under the provisions of CEPA.

16. Other Information

MSDS Revisions:	No Revisions- Annual review
Prepared By:	Evangelos Georgiou, Operations Manager

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10th October, 2010