

*Rec'd 10-18-05***02807-1159****Trade Name and Date:** K23950 Studio Red PR3 04/94**Product Name:** K23950 Studio Red PR3**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280**Chemical Characterization:** C.I. Pigment Red 3**CAS Number:****Hazards Identification:** n/a**After Inhalation:** take affected person into fresh air, in case of discomfort get medical help**After Skin Contact:** immediately rinse with plenty of water**After Eye Contact:** immediately rinse with plenty of water**After Ingestion:** Drink large doses of water. Induce vomiting in case of discomfort get medical help**Suitable Extinguishing Media:** foam: yes carbon dioxide: yes  
sand: yes water spray jet: yes**Environmental Precautions:** do not allow to enter drains or waterways - dispose of contaminated water / firefighting water properly**Personal Precautions:** clean up mechanically - avoid dust development**Methods for Cleaning Up Containment:****Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed**Advice on explosion protection:** The product is combustible - keep away from ignitable material - refrain from smoking - take precautionary measures against electrostatic loading - grounding necessary during operations - use only explosion-proof equipment - observe the general rules of industrial fire protection.**Storage:** store in cool and dry place

Maximum Workplace Concentration MAK limit:

**Personal Protective Equipment:**

**General Protective measures:** do not inhale dust

**Respiratory Protective:** wear a dust mask when handling large quantities

**Eye Protection:** safety glasses

**Hand Protection:** disposable gloves

**Form:** powder

**Colour:** red

**Odour:** none

**Changes In Physical State:**

**Ignition Temperature:**

**Fire Properties:** When burned, released smoke contains Carbonmonoxide and Nitrose Gases

**Density:**

**Solubility in water:** insoluble 20 C

**pH value:** 6.8

**thermal decomposition:** >260C

**acute oral toxicity:** LD 50 : >2000 mg/kg, species: Rat

**Irritant effect on skin eye:** Irritant effect on skin: no species: rabbit  
Irritant effect on eye: no species: rabbit

**ecological information:**

**road transport ADR:** non-hazardous goods

**road transport GGVS:** non-hazardous goods

**road transport RID:** non-hazardous goods

**road transport GGVE:** non-hazardous goods

**marine transport ADNR:** non-hazardous goods

**marine transport IMDG code:** non-hazardous goods

**marine transport EmS:** non-hazardous goods

**air transport ICAO IATA DGR:**

**Labelling in accordance with GefStoffV EC:** hazard warning labelling not compulsory

**California Prop 65:** no

**National regulations:**

**Air Contamination Classification:**

**Maximum Workplace Concentration:**

**Other information:**

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

**Trade Name and Date:** K48700 Caput Mortuum

**Product Name:** K48700 Caput Mortuum

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** 75 - 82 % Fe<sub>2</sub>O<sub>3</sub> Remainder: H<sub>2</sub>O<sub>3</sub>, MgO, Al<sub>2</sub>O<sub>3</sub>, TiO<sub>2</sub>, MgSO<sub>4</sub>, SiO<sub>2</sub>

**CAS Number:**

**Hazards Identification:** unknown

**After Inhalation:** take affected person into fresh air, in case of discomfort get medical help

**After Skin Contact:** immediately rinse with plenty of water

**After Eye Contact:** immediately rinse with plenty of water - consult ophthalmologist in case of continuous irritation

**After Ingestion:** immediately get medical help

**Suitable Extinguishing Media:** all extinguishing media are suitable

**Environmental Precautions:**

**Personal Precautions:**

**Methods for Cleaning Up Containment:** clean up mechanically - avoid dust development

**Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed

**Advice on explosion protection:**

**Storage:** store in cool and dry place

**Maximum Workplace Concentration MAK limit:** 6 mg/m3 (fine dust)

**Personal Protective Equipment:**

**General Protective measures:** do not inhale dust

**Respiratory Protective:** wear a dust mask when handling large

**Eye Protection:** safety glasses

**Hand Protection:**

**Form:** powder

**Colour:** reddish brown

**Odour:** none

**Changes In Physical State:**

**Ignition Temperature:**

**Fire Properties:** Melting Point: > 10000 C

**Density:** ca. 5g/cm3 at 20C DIN ISO 787/10

**Solubility in water:**

**pH value:** 6-8 at 50g/L Water, in watery suspension DIN ISO 787/9

**thermal decomposition:** n/a

**acute oral toxicity:** with similar products yielded the following results: LD 50 oral, Rat: >5000mg/kg

**Irritant effect on skin eye:** Rabbit skin (24h): not irritable  
Rabbit eye: not irritable

**ecological information:** ecotoxicological testing on chemically identical products showed the following results:  
Acute Fish Toxicity: Leuciscus Idus LCO: >1000mg/L Water Hazard Classification (WGK 9): 0 - generally non-hazardous

**road transport ADR:** non-hazardous goods

**road transport GGVS:** non-hazardous goods

**road transport RID:** non-hazardous goods

**road transport GGVE:** non-hazardous goods

**marine transport ADN:** non-hazardous goods

**marine transport IMDG code:** non-hazardous goods

**marine transport EmS:** non-hazardous goods

**air transport ICAO IATA DGR:**

**Labelling in accordance with GefStoffV EC:** hazard warning labelling not compulsory

**California Prop 65:** no

**National regulations:** water hazard class: 0

**Air Contamination Classification:**

**Maximum Workplace Concentration:**

**Other Information:** This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

**Trade Name and Date:** K40450 Burnt Sienna from England 04/99

**Product Name:** K40450 Burnt Sienna from England

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** Burnt sienna is a special kind of yellow ochre, which is mainly found in Italy. Burnt sienna is prepared by calcining raw sienna. Italian Burnt Sienna is a natural product, therefore chemical compositions and datas vary. The average content is: 45 - 70 % Fe<sub>2</sub>O<sub>3</sub>, 3 - 7 % Al<sub>2</sub>O<sub>3</sub>, 5 - 25 % SiO<sub>2</sub>, 0 - 15 % SO<sub>3</sub>, 0 - 1,5 % Mn<sub>2</sub>O<sub>3</sub>, 15 - 20 % Water

**CAS Number:**

**Hazards Identification:** unknown; product is considered non-toxic according to today's data

**After Inhalation:**

**After Skin Contact:**

**After Eye Contact:**

**After Ingestion:**

**Suitable Extinguishing Media:** all extinguishing media are suitable

**Enviromental Precautions:**

**Personal Precautions:**

**Methods for Cleaning Up Containment:** clean up mechanically - avoid dust development

**Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed

**Advice on explosion protection:**

**Storage:** store in cool and dry place

Maximum Workplace Concentration MAK limit: 4 mg/m<sup>3</sup>

**Personal Protective Equipment:**

**General Protective measures:** do not inhale dust

**Respiratory Protective:** wear a dust mask when handling large quantities

**Eye Protection:** safety glasses

**Hand Protection:**

**Form:** powder

**Colour:** warm, reddish brown

**Odour:** none

**Changes In Physical State:**

**Ignition Temperature:**

**Fire Properties:**

**Density:**

**Solubility in water:**

**pH value:**

**thermal decomposition:** unknown

**acute oral toxicity:**

**Irritant effect on skin eye:**

**ecological information:** Burnt Sienna is a natural product and it is not considered hazardous to the environment

**road transport ADR:** non-hazardous goods

**road transport GGVS:** non-hazardous goods

**road transport RID:** non-hazardous goods

**road transport GGVE:** non-hazardous goods

**marine transport ADNR:** non-hazardous goods

**marine transport IMDG code:** non-hazardous goods

**marine transport EmS:** non-hazardous goods

**air transport ICAO IATA DGR:**



**Labelling in accordance with GefStoffV EC:**

hazard warning labelling not compulsory

**California Prop 65:** no

**National regulations:**

**Air Contamination Classification:**

**Maximum Workplace Concentration:**

**Other Information:**

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

**Trade Name and Date:** K40391 Sienna, from England 08/99

**Product Name:** K40391 Sienna, from England

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** Raw sienna is a special kind of yellow ochre, which is mainly found in Italy. Sienna is a natural product, therefore chemical compositions and datas vary.  
An average content may be:  
45 - 70 % Fe<sub>2</sub>O<sub>3</sub>, 3 - 7 % Al<sub>2</sub>O<sub>3</sub>, 5 - 25 % SiO<sub>2</sub>, 0 - 15 % SO<sub>3</sub>, 0 - 1,5 % Mn<sub>2</sub>O<sub>3</sub>, 15 - 20 % Water

**CAS Number:**

**Hazards Identification:** unknown; product is considered non-toxic according to today's data

**After Inhalation:** take affected person into fresh air, in case of discomfort get medical help

**After Skin Contact:** rinse with plenty of water

**After Eye Contact:** rinse with plenty of water

**After Ingestion:** get medical help

**Suitable Extinguishing Media:** all extinguishing media are suitable

**Enviromental Precautions:**

**Personal Precautions:**

**Methods for Cleaning Up Containment:** clean up mechanically - avoid dust development

**Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed

**Advice on explosion protection:**

**Storage:** store in cool and dry place

**Maximum Workplace Concentration MAK limit:** 4 mg/m<sup>3</sup>

**Personal Protective Equipment:**

**General Protective measures:** do not inhale dust

**Respiratory Protective:** wear a dust mask when handling large quantities

**Eye Protection:** safety glasses

**Hand Protection:**

**Form:** powder

**Colour:** warm yellow-brown

**Odour:** none

**Changes in Physical State:**

**Ignition Temperature:**

**Fire Properties:**

**Density:**

**Solubility in water:**

**pH value:**

**thermal decomposition:** unknown

**acute oral toxicity:**

**Irritant effect on skin eye:**

**ecological information:** Raw Sienna is a natural product and it is not considered hazardous to the environment

**road transport ADR:** non-hazardous goods

**road transport GGVS:** non-hazardous goods

**road transport RID:** non-hazardous goods

**road transport GGVE:** non-hazardous goods

**marine transport ADNR:** non-hazardous goods

**marine transport IMDG code:** non-hazardous goods

**marine transport EmS:** non-hazardous goods

**air transport ICAO IATA DGR:**

**Labelling in accordance with GefStoffV EC:**

hazard warning labelling not compulsory

**California Prop 65:** no

**National regulations:**

**Air Contamination Classification:**

**Maximum Workplace Concentration:**

**Other Information:**

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

**Trade Name and Date:** K40200 Greenish Ocher 01/00

**Product Name:** K40200 Greenish Ocher

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** Ocher is a natural product, therefore chemical compositions and datas vary. An average content may be: 45 - 70 % Fe<sub>2</sub>O<sub>3</sub>, 3 - 7 % Al<sub>2</sub>O<sub>3</sub>, 5 - 25 % SiO<sub>2</sub>, 0 - 15 % SO<sub>3</sub>, 0 - 1,5 % Mn<sub>2</sub>O<sub>3</sub>, 15 - 20 % Water

**CAS Number:**

**Hazards Identification:** unknown; product is considered non-toxic according to today's data

**After Inhalation:** take affected person into fresh air, in case of discomfort get medical help

**After Skin Contact:** rinse with plenty of water

**After Eye Contact:** rinse with plenty of water

**After Ingestion:** get medical help

**Suitable Extinguishing Media:** all extinguishing media are suitable

**Environmental Precautions:**

**Personal Precautions:**

**Methods for Cleaning Up Containment:** clean up mechanically - avoid dust development

**Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed

**Advice on explosion protection:**

**Storage:** store in cool and dry place

Maximum Workplace Concentration MAK limit: 4 mg/m<sup>3</sup>

**Personal Protective Equipment:**

**General Protective measures:** do not inhale dust

**Respiratory Protective:** wear a dust mask when handling large quantities

**Eye Protection:** safety glasses

**Hand Protection:**

**Form:** powder

**Colour:** greenish yellow/brown

**Odour:** none

**Changes in Physical State:**

**Ignition Temperature:**

**Fire Properties:**

**Density:**

**Solubility in water:**

**pH value:**

**thermal decomposition:** unknown

**acute oral toxicity:**

**Irritant effect on skin eye:**

**ecological information:** Ocher is a natural product and it is not considered hazardous to the environment

**road transport ADR:** non-hazardous goods

**road transport GGVS:** non-hazardous goods

**road transport RID:** non-hazardous goods

**road transport GGVE:** non-hazardous goods

**marine transport ADNR:** non-hazardous goods

**marine transport IMDG code:** non-hazardous goods

**marine transport EmS:** non-hazardous goods

**air transport ICAO IATA DGR:**

**Labelling in accordance with GefStoffV EC:**

hazard warning labelling not compulsory

**California Prop 65:** no

**National regulations:**

**Air Contamination Classification:**

**Maximum Workplace Concentration:**

**Other Information:**

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

**Trade Name and Date:** K40010 French Ocher 08/96

**Product Name:** K40010 French Ocher

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** Ocher is a natural product, therefore chemical compositions and datas vary.  
An average content may be:  
45 - 70 % Fe<sub>2</sub>O<sub>3</sub>, 3 - 7 % Al<sub>2</sub>O<sub>3</sub>, 5 - 25 % SiO<sub>2</sub>, 0 - 15 % SO<sub>3</sub>, 0 - 1,5 % Mn<sub>2</sub>O<sub>3</sub>, 15 - 20 % Water

**CAS Number:**

**Hazards Identification:** unknown; product is considered non-toxic according to today's data

**After Inhalation:** take affected person into fresh air, in case of discomfort get medical help

**After Skin Contact:** rinse with plenty of water

**After Eye Contact:** rinse with plenty of water

**After Ingestion:** get medical help

**Suitable Extinguishing Media:** all extinguishing media are suitable

**Enviromental Precautions:**

**Personal Precautions:**

**Methods for Cleaning Up Containment:** clean up mechanically - avoid dust development

**Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed

**Advice on explosion protection:**

**Storage:** store in cool and dry place



**Maximum Workplace Concentration MAK limit:**4 mg/m<sup>3</sup>**Personal Protective Equipment:****General Protective measures:** do not inhale dust**Respiratory Protective:** wear a dust mask when handling large quantities**Eye Protection:** safety glasses**Hand Protection:****Form:** powder**Colour:** warm yellow/brown**Odour:** none**Changes in Physical State:****Ignition Temperature:****Fire Properties:****Density:****Solubility in water:****pH value:****thermal decomposition:** unknown**acute oral toxicity:****irritant effect on skin eye:****ecological information:** French Ocher is a natural product and it is not considered hazardous to the environment**road transport ADR:** non-hazardous goods**road transport GGVS:** non-hazardous goods**road transport RID:** non-hazardous goods**road transport GGVE:** non-hazardous goods**marine transport ADNR:** non-hazardous goods**marine transport IMDG code:** non-hazardous goods**marine transport EmS:** non-hazardous goods**air transport ICAO IATA DGR:**

**Labelling In accordance with GefStoffV EC:**

hazard warning labelling not compulsory

**California Prop 65:** no

**National regulations:**

**Air Contamination Classification:**

**Maximum Workplace Concentration:**

**Other Information:**

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

**Trade Name and Date:** K23650 Brilliant Hansa Yellow 08/94

**Product Name:** K23650 Brilliant Hansa Yellow

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** C.I. Pigment Yellow 74

**CAS Number:**

**Hazards Identification:** n/a

**After Inhalation:** consult physician if irritation of respiratory passages occurs

**After Skin Contact:** wash with soap and water. Consult physician if irritation continues

**After Eye Contact:** flush thoroughly with water for 15 minutes. Consult physician if irritation continues

**After Ingestion:** if person is conscious, give water or milk to dilute stomach contents. Consult physician

**Suitable Extinguishing Media:** carbon dioxide, water spray, foam or dry chemical

**Environmental Precautions:** electrical grounding of equipment is required when handling powder to prevent possible dust explosion. Emits toxic fumes under fire conditions

**Personal Precautions:** use self-contained breathing apparatus and full protective clothing

**Methods for Cleaning Up Containment:** Spill or Leak Procedure: wearing appropriate personal protective equipment, contain spill, ventilate area of spill or leak, collect into suitable container

**Advice on safe handling:**

**Advice on explosion protection:**

**Storage:**

**Maximum Workplace Concentration MAK limit:**

**Personal Protective Equipment:**

**General Protective measures:** use engineering controls such as local or general exhaust to maintain airborne concentrations below exposure limits. Eye wash station

**Respiratory Protective:** if airborne concentrations pose a health hazard, become irritating, or

**Eye Protection:**

**Hand Protection:** Clothing suitable to prevent skin contact, safety goggles, chemical

**Form:** solid

**Colour:** yellow

**Odour:** none

**Changes in Physical State:**

**Ignition Temperature:** none

**Fire Properties:** melting point > 280 ° C

**Density:** 202 kg/m<sup>3</sup> / 20 °C

**Solubility in water:** negligible

**pH value:** 3.4

**thermal decomposition:** Thermal decomposition may generate carbon monoxide, carbon

**acute oral toxicity:** n/a

**irritant effect on skin eye:** found to be a non-irritant when tested on skin and eyes of rabbits

**ecological information:**

**road transport ADR:**

**road transport GGVS:**

**road transport RID:**

**road transport GGVE:**

**marine transport ADNR:**

**marine transport IMDG code:**

**marine transport EmS:**

**air transport ICAO IATA DGR:**

**Labelling in accordance with GefStoffV EC:**

**California Prop 65:** no

**National regulations:****Air Contamination Classification:****Maximum Workplace Concentration:****Other Information:**

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

**Trade Name and Date:** K40930 Slate Grey, 10/94

**Product Name:** K40930 Slate Grey

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** Pure Slate Powder, with no potential environmental hazards

**CAS Number:**

**Hazards Identification:** unknown; product is considered non-toxic according to today's data

**After Inhalation:**

**After Skin Contact:**

**After Eye Contact:**

**After Ingestion:**

**Suitable Extinguishing Media:** all extinguishing media are suitable

**Enviromental Precautions:**

**Personal Precautions:**

**Methods for Cleaning Up Containment:** clean up mechanically - avoid dust development

**Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed

**Advice on explosion protection:**

**Storage:** store in cool and dry place

**Maximum Workplace Concentration MAK limit:**4 mg/m<sup>3</sup>**Personal Protective Equipment:****General Protective measures:** do not inhale dust**Respiratory Protective:** wear a dust mask when handling large quantities**Eye Protection:** safety glasses**Hand Protection:****Form:** powder**Colour:** grey**Odour:** none**Changes in Physical State:****Ignition Temperature:****Fire Properties:****Density:****Solubility in water:****pH value:****thermal decomposition:** unknown**acute oral toxicity:****Irritant effect on skin eye:****ecological information:** Slate Grey is a natural product, therefore it is not considered hazardous to the environment**road transport ADR:** non-hazardous goods**road transport GGVS:** non-hazardous goods**road transport RID:** non-hazardous goods**road transport GGVE:** non-hazardous goods**marine transport ADN:** non-hazardous goods**marine transport IMDG code:** non-hazardous goods**marine transport EmS:** non-hazardous goods**air transport ICAO IATA DGR:**

**Labelling in accordance with GefStoffV EC:**

hazard warning labelling not compulsory

**California Prop 65:** no

**National regulations:**

**Air Contamination Classification:**

**Maximum Workplace Concentration:**

**Other Information:**

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.



**Trade Name and Date:** K23060 Pthalo Blue, Royal Blue 8/95

**Product Name:** K23060 Pthalo Blue, Royal Blue

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** copper-phthalocyanine halogenated

**CAS Number:** 14302-13-7 Pigment Blue 15 : 3

**Hazards Identification:** Possible Hazard: 101 Dust Explosion

**After Inhalation:** apply fresh air - get medical help

**After Skin Contact:** immediately wash with plenty of water and soap

**After Eye Contact:** rinse with plenty of water

**After Ingestion:** rinse mouth and drink lots of water

**Suitable Extinguishing Media:** foam, sand, water spray  
In general, combustion gases of organic materials must be graded as

**Environmental Precautions:** do not allow to enter drains or waterways - dispose of contaminated water / firefighting water properly

**Personal Precautions:** avoid dust formation and inhalation / breathing protection required

**Methods for Cleaning Up Containment:** clean up mechanically with dust binding material

**Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed

**Advice on explosion protection:**

**Storage:** store in cool and dry place

Maximum Workplace Concentration MAK limit:

**Personal Protective Equipment:**

**General Protective measures:**

**Respiratory Protective:** wear a dust mask

**Eye Protection:** safety glasses

**Hand Protection:** gloves

**Form:** powder

**Colour:** blue

**Odour:** none

**Changes In Physical State:**

**Ignition Temperature:**

**Fire Properties:** Melting Point > 200 ° C

**Density:** (20°C) 1.6g/cm<sup>3</sup>

**Solubility in water:** insoluble

**pH value:**

**thermal decomposition:** none are known

LD50 > 5000 mg/kg, species: rat

**acute oral toxicity:**

**irritant effect on skin eye:** non-irritant species: rabbit

**ecological information:**

due to the almost insolubility in water, product may be separated almost completely mechanically - elimination through absorption to sewage sludge - the product contains as a dye content 33 % organically bound halogen (counted as Cl). This halogen content may influence the BOD-content of the sewage water. The product contains approx. 4 % copper, complexly bound, as part of the dyeing agent.

**road transport ADR:** Non-contaminated packaging material may be recycled. Non-

**road transport GGVS:** non-hazardous in accordance with transportation regulations

**road transport RID:**

**road transport GGVE:**

**marine transport ADNR:**

**marine transport IMDG code:**

**marine transport EmS:**

**air transport ICAO IATA DGR:**

**Labelling in accordance with GefStoffV EC:**

California Prop 65: not compulsory  
no

**National regulations:**

**Air Contamination Classification:**

**Maximum Workplace Concentration:**

**Other Information:**

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

**Trade Name and Date:** K47150 Ivory Black, imitation 05/95

**Product Name:** K47150 Ivory Black, imitation

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** Contains a mixture of natural bone black and iron oxide black:  
C.I. Pigment Black 11, Fe<sub>3</sub>O<sub>4</sub>

**CAS Number:** 1317-61-9,

**Hazards Identification:** unknown; product is considered non-toxic according to today's data

**After Inhalation:**

**After Skin Contact:**

**After Eye Contact:**

**After Ingestion:**

**Suitable Extinguishing Media:** all extinguishing media are suitable

**Environmental Precautions:**

**Personal Precautions:**

**Methods for Cleaning Up Containment:** clean up mechanically - avoid dust development

**Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed

**Advice on explosion protection:**

**Storage:** store in cool and dry place

**Maximum Workplace Concentration MAK limit:**4 mg/m<sup>3</sup>**Personal Protective Equipment:****General Protective measures:** do not inhale dust**Respiratory Protective:** wear a dust mask when handling large quantities**Eye Protection:** safety glasses**Hand Protection:****Form:** powder**Colour:** black**Odour:** none**Changes in Physical State:****Ignition Temperature:****Fire Properties:****Density:****Solubility in water:****pH value:****thermal decomposition:** unknown**acute oral toxicity:****Irritant effect on skin eye:**

**ecological information:** Bone Black is a natural product, therefore it is not considered hazardous to the environment  
Iron Oxide Black: ecotoxicological testing on chemically identical products showed the following results: acute fish toxicity: *Leuciscus idus* LC<sub>50</sub>: > 1000 mg/l  
acute bacteria toxicity: against *Pseudomonas fluorescens*: no effects: > 1000 mg/l  
Due to the practical insolubility in water, separation occurs during each filtration and sedimentation process  
Water Hazard Classification (WGK 9): 0 - generally non-hazardous

**road transport ADR:** non-hazardous goods**road transport GGVS:** non-hazardous goods**road transport RID:** non-hazardous goods**road transport GGVE:** non-hazardous goods**marine transport ADNR:** non-hazardous goods**marine transport IMDG code:** non-hazardous goods**marine transport EmS:** non-hazardous goods**air transport ICAO IATA DGR:**

**Labelling in accordance with GefStoffV EC:**

**California Prop 65:** hazard warning labelling not compulsory  
no

**National regulations:****Air Contamination Classification:****Maximum Workplace Concentration:****Other Information:**

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

**Trade Name and Date:** K46200 Titanium White 08/96

**Product Name:** K46200 Titanium White

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** titanium dioxide; aluminiumhydroxide; amorphous siliziumdioxide

**CAS Number:** 13463-67-7; 21645-51-2; 7631-86-9

**Hazards Identification:** Inhalation of dust may cause shortness of breath, tightness in chest, inflammation of throat and coughing

**After Inhalation:** take affected person into fresh air, in case of discomfort get medical help

**After Skin Contact:** immediately rinse with plenty of water

**After Eye Contact:** immediately rinse with plenty of water

**After Ingestion:** immediately get medical help

**Suitable Extinguishing Media:** not applicable, product itself is not combustible

**Enviromental Precautions:** do not allow to enter drains or waterways - dispose of contaminated water / firefighting water properly

**Personal Precautions:** do not inhale dust

**Methods for CleanIng Up Containment:** clean up mechanically - avoid dust development - store in suitable containers

**Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed

**Advice on explosion protection:**

**Storage:** store in cool and dry place

**Maximum Workplace Concentration MAK limit:**6 mg/m<sup>3</sup>**Personal Protective Equipment:****General Protective measures:** do not inhale dust**Respiratory Protective:** wear a dust mask when handling large quantities**Eye Protection:** safety glasses**Hand Protection:****Form:** powder**Colour:** white**Odour:** none**Changes In Physical State:****Ignition Temperature:****Fire Properties:****Density:** relative density: 3,8 - 4,3 kg/l**Solubility in water:** insoluble**pH value:** 4 - 10**thermal decomposition:** stable**acute oral toxicity:** LD50 > 24.000 mg/kg species: rat**Irritant effect on skin eye:** Irritant effect on skin: > 10.000 mg/kg species: rabbit  
Inhalation / ALC / 4 h > 6.820 mg/k<sup>3</sup> species: rat (+/- 96% TiO<sub>2</sub>)**ecological information:** Elimination (persistency and degradability): pigments are biologically not degradable  
Ecotoxic effect:  
Aqueous toxicity: LC50/96h)Elritze = > 1000 mg/l  
Water hazard class: 0**road transport ADR:** non-hazardous goods**road transport GGVS:** non-hazardous goods**road transport RID:** non-hazardous goods**road transport GGVE:** non-hazardous goods**marine transport ADNR:** non-hazardous goods**marine transport IMDG code:** non-hazardous goods**marine transport EmS:** non-hazardous goods**air transport ICAO IATA DGR:**



**Labelling in accordance with GefStoffV EC:**

**California Prop 65:** hazard warning labelling not compulsory  
no

**National regulations:****Air Contamination Classification:****Maximum Workplace Concentration:****Other Information:**

This information, which describes our product with regard to possible safety requirements, is based on the present state of our knowledge and experience. It is given in good faith but no warranty expressed or implied with respect to the quality and properties of our product is made.

**Trade Name and Date:** K40610 Umber Cyprus 08/96

**Product Name:** K40610 Umber Cyprus

**Supplier Details:** Sinopia, LLC  
3385 twentysecond street  
San Francisco, CA 94110 USA  
Tel. (415) 824 3180  
Fax (415) 824 3280

**Chemical Characterization:** Mixture and grinding of Fe<sub>2</sub>O<sub>3</sub>-containing inorganic earth colors

**CAS Number:** 12713-03-0

**Hazards Identification:** unknown; Product is non-toxic according to today's data

**After Inhalation:** take affected person into fresh air, in case of discomfort get medical help

**After Skin Contact:** immediately rinse with plenty of water

**After Eye Contact:** immediately rinse with plenty of water

**After Ingestion:** immediately get medical help

**Suitable Extinguishing Media:** all extinguishing media are suitable

**Environmental Precautions:** This product is according to today's data non-toxic. Eye contact may cause a slight irritation due to mechanical effects (dust particles).

**Personal Precautions:**

**Methods for Cleaning Up Containment:** clean up mechanically - avoid dust development

**Advice on safe handling:** Avoid formation and deposition of dust - provide good ventilation when handling large quantities - no special measures necessary if stored and handled as prescribed

**Advice on explosion protection:**

**Storage:** store in cool and dry place

**Maximum Workplace Concentration MAK limit:**4 mg/m<sup>3</sup> (fine dust) -contains SiO<sub>2</sub>**Personal Protective Equipment:****General Protective measures:** do not inhale dust**Respiratory Protective:** wear a dust mask when handling large**Eye Protection:** safety glasses**Hand Protection:****Form:** powder**Colour:** greenish**Odour:** none**Changes In Physical State:****Ignition Temperature:****Fire Properties:****Density:****Solubility In water:****pH value:****thermal decomposition:****acute oral toxicity:****Irritant effect on skin eye:****ecological information:** Due to the practical insolubility in water, product is separated during each filtration and sedimentation process**road transport ADR:** non-hazardous goods**road transport GGVS:** non-hazardous goods**road transport RID:** non-hazardous goods**road transport GGVE:** non-hazardous goods**marine transport ADN:** non-hazardous goods**marine transport IMDG code:** non-hazardous goods**marine transport EmS:** non-hazardous goods**air transport ICAO IATA DGR:**

**Labelling in accordance with GefStoffV EC:**

hazard warning labelling not compulsory

**California Prop 65:** no**National regulations:****Air Contamination Classification:****Maximum Workplace Concentration:****Other Information:**

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