Material Safety Data Sheet

According to 91/155/EEC and ISO 11014-1

Effective Date: 2004.06.015 Amendatory Date: 2006.12.01

MEDIUM CHROME YELLOW

1.Identification of substance and of the company

Trade Name: Medium Chrome Yellow

Company: UZAY BOYA PAZ.SAN. ve TIC.LTD.STI
Add: O.S.B , Ataturk Blv. , Isteks San.Sitesi A2 Blok No:11
Basaksehir / Istanbul / TURKEY
Telephone:0090 212 4857450

2.Composition/Data on components

Chemical Characterization:
Inorganic Lead Compound, C. I. Pigment Yellow 34, CAS. No. 1344-37-2
Chemical formula: XPbCrO4YPbO

3.Hazards identification

Potential Health Effects

May cause harm to the unborn child.
Possible risk of impaired fertility
Danger of cumulative effects
Possible risks of irreversible effects

4.First Aid measures

Summary of first aid as follows:

Eyes Contact: Harmful. In case of contact, immediately flush eyes with water for at least 15 min. Call a physician
Skin Contact: Harmful. Flush skin with water and soap, Wash clothes before reuse.
Ingestion: Harmful. Call a physician
Inhalation: Harmful. If not breathing perform artificial respiration, if breathing give fresh oxygen. Remove to fresh air and call a physician..
Other Advises : As Antidote : dextrose/water, intravenous; mannitol solution, intravenous; dimercaprol, intramuscular; calcium disodium edetate/procaine, intramuscular; penicillamine, oral. dimercaprol, intramuscular.

5.Fire fighting measures

Suitable Extinguishing Agents: Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam
Protective Equipment: Wear self-contained respirator. Wear fully protective impervious suit

6.Accidental release

Person Related Safety Precautions: Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation
Measures For Environmental Protection: Inform respective authorities in case of seepage into water course or sewage system. Do not allow material to be released to the environment without proper governmental permits.
Measures For Cleaning / Collecting: Dispose contaminated material as waste according to item 13.
Other Procedures: See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information

7.Handling and storage

Storing and Loading Precautions: Keep away from eye and skin contact. Place in closed containers. Keep away from food. If contacted wash thoroughly.
Handing: Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Open and handle container with care**. Others:** Do not inhale and protect from flammable media.

8.Exposure controls/personal protection

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 0.5 m per second.
Components with limit values that require monitoring at the workplace:

Lead chromate	**Mg/m3**
ACGIH TLV	0,05 as Pb ,0,05 as Cr
BELGIUM TWA	0,05
GERMANY TWA	0,05
NETHERLANDS TWA	0,05
USA PEL	0,001 as Cr(VI)

Personal Protective Equipment

EYES: Safety glasses or goggles. Eye-flushing stations.
SKIN: Rubber gloves and protective clothes, apron, impervious gloves**.**
INHALATION: Use required respirators in case of high concentrations.
LOCAL VENTILATION EXITS: Mechenical(General) local ventilation is enough.
OTHER PROTECTIVE EQUIPMENTS: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Store protective clothing separately.

9.Physical and chemical properties

FORM: Yellow Powder, crystals
SOLUBILITY IN WATER: Insoluble
MELTING POINT: 844°C
BOILING POINT: Decomposes
ODOR: Odorless
FREEZING POINT: N/A
MOLECULAR WEIGHT: X(323)+Y(303)
BULK DENSITY: 0,8-1.0 g/cm3
EVAPORATION DENSITY: N/A
SPECIFIC GRAVITY: 6.0
OTHER DATA: pH 6,0-8,0

10.Stability and reactivity

STABILITY Stable under normal conditions
UNSTABILITY REASONS Heat and easily oxidized media
POLIMERIZATION and ITS DANGERS None**.**
UNSTABILITY CONDITIONS and DECOMPOSITION MATERIALS: Thermal decomposition products: oxides of lead, chromium compounds.

11.Toxicological Information

Acute toxicity and primary irritant effect.

ON THE SKIN: Irritant to skin and mucous membranes.
ON THE EYE: Strong irritant with the danger of severe eye injury.
SENSITIZATION: No sensitizing effects known.
SUBACUTE TO CHRONIC TOXICITY:
Lead and lead compounds may cause abdominal pain, diarrhea, loss of appetite, metallic taste, nausea, vomiting, lassitude, insomnia, muscle weakness, joint and muscle pain, irritability, headache and dizziness. Red blood cells may be damaged resulting in anemia. Gastritis and injury to the kidneys, liver, male gonads, and central nervous system may also occur. Chromium (VI) compounds may cause skin ulceration, gastrointestinal irritation with vomiting and diarrhea, kidney and liver damage. Overexposure may be fatal. Dusts are extremely irritating to the eyes, nose, throat and bronchial tubes. May cause cancers of the lungs, nasal cavity, sinuses, stomach and larynx.
ADDITIONAL TOXICOLOGICAL INFORMATION:
May cause harm to the unborn child. Possible risk of impaired fertility. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. EPA-A: human carcinogen: sufficient evidence from epidemiologic studies to support a causal association between exposure and cancer.
CARCINOGEN STATUS NTP:
Known Human Carcinogen; IARC: Human Inadequate Evidence, Animal Sufficient Evidence, Group 2B
(Lead and inorganic lead compounds), Human Sufficient Evidence, Animal Sufficient Evidence, Group 1 (Hexavalent chromium compounds); ACGIH: A2 -Suspected Human Carcinogen; TRGS 905: K 3 An excess risk for lung and sinonasal cancer has been reported in workers in the chromate production, chromate pigment production and chromium plating industries. Lead chromate and derived pigments have been tested by intrabronchial implantation in rats without producing a significant increase in the incidence of tumors. Lead chromate and derived pigments have also been tested in rats by subcutaneous and intramuscular injection, producing malignant tumors at the site of injection and, in one study, renal carcinomas. A study by intrapleural administration to rats could not be evaluated. No increase in tumor incidence was observed when lead chromate was administered intramuscularly to mice
>12 gm/kg oral-mouse LD50; 156 mg/kg intraperitoneal-guinea pig LD75; 11250 mg/kg/90 day(s) continuous oral-dog TDLo.MAK value for lead < 0,1 mg/m3.BAT values for lead in the blood < 70mg/dL. Lead(blood-women < 45 years) < 30mg/dL.?-Aminolevulinic acid (women < 45 years) < 6 mg/dL.
TLV-TWA value for lead < 0,15 mg/m3.Carcinogenic effects : None.

12.Ecological information

Also poisonous for fish and plankton in water bodies. Do not allow material to be released to the environment without proper governmental permits. Dust emissions from approved manufacturing plants must not exceed 5 mg/m3 for lead and chromium with a total mass flow exceeding 25g/h.

13.Transport information

PROPER SHIPPING NAME : LEAD COMPOUND,SOLUBLE n.o.s.
HAZARD CLASS : 6.1
U.N. NUMBER : 2291
PACKING GROUP : III
Land transport ADR/RID (cross-border)
ADR/RID CLASS : 6.1
U.N. NUMBER : 2291
ITEM : 62C
Maritime transport IMDG:
IMDG CLASS : 6.1
PAGE NUMBER : 6170
U.N. NUMBER : 2291
PACKING GROUP : III

14.Disposal considerations

Consult state, local or national regulations for proper disposal. Disposal must be made according to official regulations.

15.Regulatory information

EUROPEAN RISK and SAFETY CODES

R 61 May cause harm to the unborn child.
R 62 Possible risk of impaired fertility.
R 33 Danger of cumulative effects.
R 40 Possible risks of irreversible effects.

S 53 Avoid exposure - obtain special instructions before use.

S 45 In case of accident or if you feel unwell, seek medical advice immediately..

16.Further information:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.