

MATERIAL SAFETY DATA SHEET

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SECTION 1-- PRODUCT & COMPANY IDENTIFICATION

Trade Name(s) : Lithol Red 49:1
Chemical Name : Barium Lithol Red 49:1
Company: HIGHTECH INDUSTRIES CO., LTD
Address: Liaoning, China
Tel: 86-24-23259216 www.apigments.com
Email: apigments@163.com, info@apigments.com

SECTION 2—COMPOSITION/DATA ON INGREDIENTS

Synthetic Barium Lithol Red ($C_{20}H_{16}BaN_2O_4S$)
C.I. Pigment Red 49:1 (15630:1)
CAS. No.1103-38-4
Molecular formula: ($C_{20}H_{16}BaN_2O_4S$)
EC No. : 214-160-6
Dangerous components: none

SECTION 3—HAZARDS IDENTIFICATION**Health Hazards Acute & Chronic:**

Acute : Inhalation of dust may cause irritation of upper respiratory system.
Chronic: No hazardous effects known.

Signs & Symptoms of Overexposure:

Inhalation : Coughing, Irritation of the nose and throat.
Congestion may occur upon overexposure.
Skin Contact : Not Applicable
Ingestion : Not Hazardous.
Skin Absorption: Not Applicable
Eyes : Temporary irritation and/or inflammation.

SECTION 4--FIRST AID/ EMERGENCY PROCEDURES

Inhalation : Remove from dusty area, drink water to clear throat and throw them up, blow nose to evacuate dust, Supply fresh air.
Skin Contact : Wash skin with mild soap and water.
Skin Absorption : Not Applicable
Ingestion : Not Applicable
Eyes Contact : Do not rub eyes, Flush with copious amounts of water for 15 mins to remove any dust parties.
Consult physician if irritation persists.

SECTION 5—FIRE FIGHTING MEASURES & EXPLOSION

Flash Point : Non flammable

Flammable Limits : Not Applicable
 Explosives : Not Applicable
 Extinguishing Media : Not Applicable/No restriction
 Unusual Fire or Explosion Hazards : None
 Liquid Classification:
 Auto-Ignition Temperature : Not Applicable
 Special Fire Fighting Procedures : None
 Special hazard caused by the material, its combustion products or resultant gases: none
 Special personal protection equipment: None

SECTION 6—ACCIDENTAL RELEASE MEASURES

Personal precautions : See **SECTION 8**
 Environmental Precautions : See **SECTION 7, & 13**
 Environmental protection conduct: Do not sweep or wash into public stretches of water, sewers or sites of unknown discharge paths.
 After spillage/leakage/gas leakage:
 Clean up immediately with wetting or absorbent material avoiding dusting.
 Spill Release Procedures: Wear Protective equipment. Clean up in manner that doesn't dispose dust into the air.
 Waste Management : Not considered as hazardous waste. Place waste and spillage in closed containers. Dispose of in approved landfill.

SECTION 7—HANDLING & STORAGE

Storage Segregation Hazard Classed : Not Applicable, non-flammable
 Special Handling : Keep dry, Avoid extremely crash when transporting.
 Avoid creating dust. Maintain goods housekeeping practice.
 Storage : Store in a dry place. Repair all broken bags immediately.
 Store in roofed places at room temperature.
 Special Workplace Environment Controls: Adequate ventilation and appropriate local Exhaust where needed to keep dust levels below PEL.
 Others : Comply with local regulations.

SECTION 8—EXPOSURE CONTROL & PERSONAL PROTECTION

Additional notes for design of plant equipment: No further details, See **SECTION 7**

Components with workplace-related limits to be monitored:

Designation	%	Type of data	Unit
Nuisance dust	100	MAK	6 mg/m ³
		TLV/TWA(USA)	10 mg/m ³

Personal protection equipment:

Goggles/Eye Protection: The use of safety eyewear, to protect from dust, is recommended.
 Gloves : Normally not required, Recommended to use gloves to protect overly sensitive skin.
 Protective Gloves : Rubber/Plastic/Cloth
 Respirator : Use approved respiratory/dust masks or filter for dust, mists..
 Ventilation : Use adequate exhaust ventilation and / or dust collection to keep dust levels below PEL.
 Body protection : Light protective clothing.

SECTION 9—PHYSICAL & CHEMICAL PROPERTIES

Appearance and Odor : Red Powder; Odorless,
 Molecular Formula :

Change in Physical State:	Value/Area	Unit	Method
Thermal Decomposition:	n.a.	°C	Lit.
Melting Point/Melting range	: Around 130—140°C		
Boiling Point/Boiling range :			
Flash Point	:		
Combustibility	: None found.		
Flammable properties	: Not flammable under standardized conditions.		
Explosion Limits	: Not Applicable		
Lower Vol. %			
Upper Vol. %			
Ignition temperature	: °C	Not Applicable	

Self-ignition temperature	: °C
Fire-promotion properties	: Non found

Vapour Pressure: °C	n.a.	mbar	
Density: (20°C)	0.4	g/cm ³	DIN/ISO 787 part 10B
Solubility in Water: (20°C)	<0.5	%	DIN/ISO 787 part 3
(20°C)	ca. : 5~7		DIN/ISO 787 part 9

Bulk density	kg/m ³
Specific Gravity	: (Water=1) ~
Solubility in other solvents:	
Octanol/Water partition coefficient(long POW):	
Viscosity	: NO
Other information:	
Toxic/Infectious	: NO
Oxidizing/Organic peroxides	: NO
Corrosives	: NO
Radioactive	: NO

Other properties (eg. Magnetised materials): Excellent in tinting strength and hiding powder, fastness to light, heat. Resistance to acids and alkalis.

SECTION 10—STABILITY & REACTIVITY DATA

Stability	: Material is stable, Hazardous polymerization will not occur.
Materials/Substances to Avoid	: Not Applicable
Stability Condition to Avoid	: Not Applicable
Hazardous Decomposition Products	: No decomposition at proper storage and application conditions.
Hazardous Polymerization Indicator	: No
Conditions to Avoid Polymerization	: Not Relevant

SECTION 11—TOXICOLOGICAL INFORMATION

Acute Toxicity:	
LD50/oral/rat:	
LD50/inhal/rat: mg/l/h	
Primary skin Irritation/rabbit:	Not irritant
Sensitizing:	
Other information:	
Subacute chronic toxicity:	
Experience in human:	

Additional information : Because of experience with the products mentioned, there are no recognizable hazards for human beings. If it is correctly used and applied.

SECTION 12—ECOLOGICAL INFORMATION

Elimination information : Not Applicable

Test method:

Method of Analysis:

Degree of elimination:

Evaluation:

Behaviour and environmental fate: Not Applicable

Ecologic effects:

Further ecological information : Avoid infiltration into wastewater drainings or soil.

COD-Value:

BOD5-Value:

Aox:

SECTION 13—DISPOSAL CONSIDERATIONS

Product : Dispose in accordance with federal, state and local regulations.

Contaminated Packages and containers: Emptied, but contaminated and containers may be recycled.

Packaging that can not be cleaned should be disposed of as for product.

Waste Code No. : 18715(Germany)

SECTION 14—TRANSPORT INFORMATION

Land transport : No Dangerous Good

ADE/RIDGGVS/GGVE Class: item number/letter

Remarks:

Sea Transport : No Dangerous Good

IMDG/GGV See Class:

EMS:

Marine Pollutant:

Remarks:

Air Transport : No Dangerous Good

LCAO/IATA Class:

Proper technical name:

Remarks:

Other Information: No declaration for transport required.

SECTION 15—REGULATORY INFORMATION

National legislation/regulation

The product is not a substance subject to mandatory marking in accordance with the EEC

Directive

Directive 67/584/EEC Or amendments.

Water risk class: WGK 0 (Self-assessment, acc. to § § 7a 19,19a-1 of German Water Utilization
Act(WHG))

SECTION 16--OTHER INFORMATION

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

Department issuing this data sheet: Product Safety Department
