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CAS No. 57455-37-5

MATERIAL SAFETY DATA SHEET

Product/Material Ultramarine Blue
 Manufacturer/Distributor Whittaker, Clark & Daniels, Inc.
 Address 1000 Coolidge Street
 South Plainfield, NJ 07080
 Emergency Telephone No. (201) 561-6100

Section I - Product Identification

Trade Name Ultramarine Blue
 Synonym C.I. Pigment Blue 29:77007
 Chemical Family Sodium Alumino Sulphosilicate
 Formula Na₆ Al₆ Si₆ O₂₄ S₄
 CAS Number 57455-37-5
 HMIS Health 1
 Flammability 0
 Reactivity 0

BLUE CHALK

Section II - Hazardous Ingredients

None

Section III - Physical Data

Boiling Point (°F) Not Applicable
 Vapor Pressure (mmHg) Not Applicable
 Vapor Density Not Applicable
 Solubility in Water Insoluble
 Specific Gravity 2.25 - 2.35
 Percent Volatile by Weight 0
 Evaporation Rate 0
 Appearance and Odor Fine blue odorless powder.

Section IV - Fire and Explosion Hazard Data

Flash Point	Non-flammable
Flammable Limits	LEL - Non-flammable UEL - Non-flammable
Extinguishing Media	Any
Special Fire Fighting Procedures	None
Unusual Fire and Explosion Hazards	None

Section V - Health Hazard Data

Threshold Limit Values	10mg/M3 (ACGIH)
Effects of Overexposure: Acute Oral Toxicity	LD50 more than 10,000 mg/kg.
Skin Irritation	Non-irritant and non-sensitizing.
Eye Irritation	None
Carcinogenicity	Not listed with NTP, IARC, or OSHA as a known or suspected carcinogen.
Emergency and First Aid	Not applicable. Ultramarine is a non-hazardous product.
Medical Conditions Aggravated by Exposure	Persons suffering from chronic respiratory diseases may be at increased risk.

Section VI - Reactivity Data

Incompatibility	Product is stable. Acids
Hazardous Decomposition Products	With acids, hydrogen sulphide is released. Hazardous polymerization will not occur.

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Section VII - Spill or Leak Procedures

Steps to Take in Case Material
is Released or Spilled

Normal clean-up procedures. Avoid
flushing large quantities into drains.
Vacuum cleaning systems are
recommended.

Waste Disposal Method

Disposal must be made in accordance
with federal, state and local
regulations.

Section VIII - Special Protection Information

None, but avoid excessive nuisance dust. Use of a NIOSH approved dust
respirator is recommended when exposure limits may be exceeded.

Section IX - Special Precautions

Do not store near acids.

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