

MATERIAL SAFETY DATA SHEET

61137-5004

Rev'd 10-26-00

mosaic cement *Blue***HMIS INFORMATION:**HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

PERSONAL PROTECTION:

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INFORMATION PHONE #: LANSKO (201) 779-5001**PRODUCT IDENTIFICATION**

PRODUCT NAME:	LANSKO #5337 ULTRAMARINE BLUE	VERSION DATE:	03/01/93
CHEMICAL FAMILY:	SODIUM ALUMINO SULPHOSILICATE	DATE PRINTED:	05/08/95
SYNONYM:	C.I. PIGMENT BLUE 29		
C.I. NUMBER:	77007		
FORMULA:	$\text{Na}_6\text{Al}_6\text{Si}_6\text{O}_{24}\text{S}_4$		
C.A.S. NUMBER:	57455-37-5 / 101357-30-6 (EINECS)		

HAZARDOUS INGREDIENTS

ULTRAMARINE PIGMENTS ARE NOT CLASSIFIED AS DANGEROUS SUBSTANCES AND DO NOT PRESENT AN ENVIRONMENTAL HAZARD. THESE PRODUCTS CAN CREATE A NUISANCE DUST.

PHYSICAL DATA

BOILING POINT (F):	NOT APPLICABLE
DECOMPOSITION TEMPERATURE:	LOSS OF SULPHUR ABOVE 400°C.
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
pH:	6 - 9
APPEARANCE AND ODOR:	FINE BLUE ODORLESS POWDER.

V-1268

FIRE AND EXPLOSION HAZARDS

EXTINGUISHING MEDIA:	ANY
FLASH POINT:	NON-FLAMMABLE
FLAMMABLE LIMITS:	LEL: NON-FLAMMABLE / UEL: NON-FLAMMABLE

SPECIAL FIRE FIGHTING PROCEDURES: IN FIRES SUSTAINED BY OTHER COMBUSTIBLE MATERIAL, THESE PRODUCTS MAY UNDERGO CHEMICAL CHANGE WITH THE EVOLUTION OF HEAT AND TOXIC, IRRITANT SULPHUR DIOXIDE GAS. SUITABLE BREATHING APPARATUS SHOULD THEREFORE BE WORN BY FIREFIGHTERS.

UNUSUAL FIRE/EXPLOSION HAZARDS: NONE.

PAGE 1 OF 4

HEALTH INFORMATION

THRESHOLD LIMIT VALUES: 10 mg/m³ (ACGIH) / TOTAL: 5 mg/m³ RESPIRABLE

EFFECTS OF OVEREXPOSURE: ACUTE ORAL TOXICITY: LD50 MORE THAN 10,000 mg/kg.
SKIN IRRITATION: NON-IRRITATING AND NON-SENSITIZING, BUT MAY CAUSE DISCOMFORT.
EYE IRRITATION: MAY CAUSE DISCOMFORT.

CARCINOGENICITY: NOT LISTED WITH NTP, IARC OR OSHA AS A KNOWN OR SUSPECTED CARCINOGEN.

EMERGENCY & FIRST AID: THESE PRODUCTS ARE NON-TOXIC SO NOT FIRST AID MEASURES ARE NECESSARY.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: PERSONS SUFFERING FROM CHRONIC RESPIRATORY DISEASES MAY BE AT INCREASED RISK.

REACTIVITY DATA

PRODUCT IS STABLE TO 350°C. INCOMPATIBILITY: ACIDS.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: CONTACT WITH ACIDS LIBERATES HYDROGEN SULPHIDE, A HIGHLY FLAMMABLE TOXIC GAS. AT TEMPERATURES ABOVE 400°C IN THE PRESENCE OF AIR, AN EXOTHERMIC REACTION CAN OCCUR WITH AN EVOLUTION OF SULPHUR DIOXIDE.

SPILL OR LEAK PROCEDURES/WASTE DISPOSAL

SPILL OR LEAK PROCEDURES: NO SPECIAL PRECAUTIONS ARE NECESSARY UNLESS CONTACT WITH ACID OR FIRE MAY OCCUR, IN WHICH CASE SUITABLE BREATHING APPARATUS SHOULD BE WORN. SWEEP UP SPILLS. AVOID CONTACT WITH ACIDS. DO NOT FLUSH INTO DRAINS. IN CASE OF AN ACCIDENTAL MAJOR DISCHARGE INTO DRAINS, FLUSH WITH COPIOUS AMOUNTS OF WATER TO DILUTE ANY ACIDIC CONDITIONS WHICH MAY PREVAIL.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. ULTRAMARINES SHOULD NOT BE WASHED INTO WASTE WATER OR DRAINS. ULTRAMARINES SHOULD NOT BE DISPOSED OF WHERE THERE IS A RISK OF CONTACT WITH ACIDS.

HANDLING: DO NOT MIX WITH ACIDS. AVOID EXCESSIVE DUST GENERATION AND USE APPROPRIATE DUST CONTROL MEASURES WHERE NECESSARY.

STORAGE: DO NOT STORE NEAR ACIDS. DO NOT STORE IN AREAS WHERE THERE IS A RISK OF FIRE. STORE IN A DRY, WELL-VENTILATED AREA.

EMPLOYEE PROTECTION

EXPOSURE CONTROL/PERSONAL PROTECTION:

AVOID EXCESSIVE INHALATION AND INGESTION OF DUST. USE OF A NIOSH APPROVED DUST RESPIRATOR IS RECOMMENDED WHEN EXPOSURE LIMITS MAY BE EXCEEDED.

TOXICOLOGICAL AND ECOLOGICAL INFORMATION

THIS PRODUCT IS NON-TOXIC. ULTRAMARINE PIGMENTS ARE THE SYNTHETIC EQUIVALENT OF THE NATURALLY OCCURRING MINERAL LAPIS LAZULI. THEY ARE EXTREMELY STABLE EXCEPT UNDER ACIDIC CONDITIONS WHEN THEY WILL DECOMPOSE TO WHITE SILICEOUS MATERIAL WITH THE EVOLUTION OF HYDROGEL SULPHIDE. ULTRAMARINES POSE NO THREAT TO THE ENVIRONMENT IF DISPOSED OF RESPONSIBLY.

TRANSPORTATION

ULTRAMARINE PIGMENTS ARE NOT CLASSIFIED AS DANGEROUS SUBSTANCES FOR SUPPLY OR CONVEYANCE UNDER U.S. OR INTERNATIONAL SHIPPING REGULATIONS. DO NOT TRANSPORT WITH ACIDS.

OTHER REGULATORY INFORMATION

NATIONAL INVENTORY NUMBERS:

EINECS (EUROPE):	3-099-283
TSCA (UNITED STATES):	57455-37-5
AICS (AUSTRALIA):	CAS NUMBER
DSL (CANADA):	CAS NUMBER
MITI (JAPAN):	1-22

OTHER INFORMATION

ALTHOUGH ULTRAMARINE PIGMENTS ARE NON-HAZARDOUS, INHALATION OF DUSTS OF ANY KIND SHOULD BE AVOIDED IN THE INTEREST OF GENERAL HEALTH AND SAFETY.

DISCLAIMER OF LIABILITY

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