

MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: **ULTRAMARINE BLUE**

CHEMICAL CHARACTERISATION: Pigment Blue 29 – C.I. 77007

SUPPLIER: The Soap Kitchen, 11a South Street, Torrington, Devon, EX38 8AA.

Emergency Tel No: 01805 622944 Emergency Contact: Mr. Richard Phillips.

2. COMPOSITION / INFORMATION ON INGREDIENTS.

CONTAINS: A sodium aluminium sulphosilicate complex with general formula: $\text{Na}(\text{Al Si O}) \text{S}$

H-No: CAS No: 12769-96-9

EU Ref: Annex IV Part 1 FEMA:

FDA: Ultramarine IFRA: Application:

Japan: Ultramarine EINECS: 2-358-110 RTECS:

INCI name:CI 77007 FCCIV:

3. HAZARDS IDENTIFICATION:

Not classified as dangerous and presents no environmental hazard. Should be treated as a nuisance dust. In contact with acids it liberates hydrogen sulphide, a highly flammable, toxic gas.

4. FIRST-AID MEASURES:

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 mins, holding eyelids open. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse mouth and then drink plenty of water. Seek medical advice if large amounts are involved, drink copious amounts of water to induce vomiting.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15)

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA RECOMMENDED: Use Water Mist, CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: If involved in a fire, sulphur dioxide gas will be released. Avoid inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & groundwaters. In case of major discharge, flush with copious amounts of water to dilute any acid conditions that may prevail.

CLEANING UP METHODS FOR SPILLAGES: Remove all potential ignition sources. Avoid contact with acids. Vacuum up and wash spill site. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum. Avoid contact with acids.

FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.

RESPIRATORY PROTECTION: Avoid breathing dust. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK/HYGIENE PRACTICES: Dry, fine powders can remove the skin's natural oils, leaving it cracked and dry and open to infection. Wash hands with soap & water after handling. Use skin moisturisers.

9. PHYSICAL & CHEMICAL PROPERTIES.

PHYSICAL FORM:	Powder
ODOUR:	None (sulphurous)
FLASH-POINT °C:	n/a
DENSITY :	2.35g.cm ³
BULK DENSITY :	400Kg.m ³
SOLUBILITY IN WATER :	Insoluble
PH (AT 50g.l ⁻¹ WATER):	6-9
THERMAL DECOMPOSITION :	400 °C (loss of sulphur)

10. STABILITY & REACTIVITY.

REACTIVITY: Stable up to approx 350°C . Avoid acids.

DECOMPOSITION: Hazardous Decomposition Products: H²S, SO².

Hazardous Exothermic Reaction: Above 400°C exothermic evolution of sulphur dioxide

11. TOXICOLOGICAL INFORMATION.

Non toxic, LD₅₀ Mice and Rats > 10000mg/kg

After skin contact : Irritation not expected

After eye contact : Irritation possible through mechanical action of dust particles.

After inhalation : May cause discomfort to respiratory tract

12. ECOLOGICAL INFORMATION.

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water. Do not discharge into natural waters without pretreatment

13. DISPOSAL CONSIDERATIONS.

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS.

Not classified as a hazardous cargo under current transport regulations. Use an approved carrier

Road (ADR/RID):

AIR (IATA):

SEA (IMDG):

UN :

15. REGULATORY INFORMATION. According to Directive 88/379/EEC

HAZARDS:

SYMBOLS:

RISK PHRASES:

SAFETY PHRASES: S14 Keep away from acids. S29 Do not empty into drains

Dust: Long term total dust : 10mg.m⁻³-8hr TWA

Respirable dust : 4mg.m⁻³-8hr TWA

16. OTHER INFORMATION.

Conc. % Limits:

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	No
Aluminium	Yes
HPPE	Yes
F/HDPE	Yes
Other plastic	Yes

SHELF-LIFE

Min 12 months when stored within advised conditions.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

Retest after 6 months.

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