

**MATERIALS SAFETY DATA SHEET :****SUPPLIER/MANUFACTURER:**

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**M.S.D.S. CHEMICAL HAZARDS INFORMATION****IDENTIFICATION OF THE PRODUCT****SEALING WAX: MIRA QUALITY LETTER WAXES****PRODUCT DESCRIPTION:****SOLID MATERIAL- SUPPLIED IN SELECTIONS/RANGES OF COLOURS****FORMAT: STICK FORME 4" LONG/BOXED AS STANDARD REQUIREMENTS.****2. COMPOSITION / INFORMATION ON INGREDIENTS**

PORTUGUESE W.W. GUM ROSIN	: 29 %
ESCORESE HYDROCARBON RESIN	: 29 %
BARYTES (BLACK)	: 22 %
VINYL ACETATE TACKIFIER/ESCORENE	: 9 %
COLOURING PIGMENTS/LITHO & COLOUR	: 11 %
COMPONENTS THAT HAVE BEEN REPORTED	: NONE

**3. HAZARDS IDENTIFICATION:****THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS.****CLASSIFICATION / SYMBOL : NOT REGULATED****PHYSICAL AND CHEMICAL HAZARDS / FIRE AND EXPLOSIONS HAZARDS.....**

- a. Very Low hazard. Material can form flammable mixtures or can only burn on heating to temperatures at or above flash point.
- b. Minimal amount of dust created on breaking sticks/blocks. Not subject to any fire risk unless directly adherent to flame.
- c. Static discharge. Product not liable to accumulate static charge.

**FIRST AID MEASURES :****INHALATION :**

Possibility of smoke emissions from melting waxes. Unlikely to cause irritation or breathing difficulties in normal circumstances.

In case of adverse exposure to vapours formed at elevated and/or extreme temperatures, remove person from the affected area immediately.

Ensure the area is well ventilated. Keep at rest and seek medical attention/ assistance if required.

**SKIN CONTACT:**

In standard, normal circumstances, very unlikely to be any risk to skin when handling solid wax sticks/blocks unless Bearer has extremely sensitive skin. Gloves are strongly recommended when handling materials.

**11. TOXICOLOGICAL INFORMATION:**

INHALATION : NEGLIGIBLE HAZARD AT AMBIENT TEMPERATURES

VAPOURS OR AEROSOLS WHICH MAY BE FORMED  
AT ELEVATED TEMPERATURES MAY BE  
IRRITATING TO EYES AND RESPIRATORY TRACT.

SKIN CONTACT: EXTREMELY LOW ORDER OF TOXICITY  
POSSIBILITY OF MILD SKIN DISCOMFORT WITH  
PERSONS OF VERY SENSITIVE SKIN TO  
EXPERIENCE MILD SKIN DISCOMFORT.

EXPOSURE TO HOT MOLTEN WAX MATERIALS  
MAY CAUSE THERMAL BURNS AND ADHESION  
OF THE SOLIDIFIED MATERIAL TO THE SKIN.

EYE CONTACT : DUST OR WAX PARTICLES MAY CAUSE  
IRRITATION TO THE EYE BUT SHOULD NOT  
INJURE THE EYE TISSUE.

INGESTION : MINIMAL TOXICITY.  
NOT LIKELY TO CAUSE ANY LONG TERM  
INTERNAL PROBLEMS.

**12. ECOLOGICAL INFORMATION**

ENVIRONMENTAL MOBILITY :

THIS SUBSTANCE HAS VERY LOW SOLUBILITY.  
THIS SUBSTANCE IS EXPECTED TO BIODEGRADE AT A MODERATE  
RATE. THIS SUBSTANCE IS EXPECTED TO BIODEGRADE SLOWLY IN  
SOIL.

ECOTOXICITY : NOT AVAILABLE

**13. DISPOSAL CONSIDERATIONS:**

THIS PRODUCT IS SUITABLE FOR DISPOSAL WITHIN LOCAL AND  
NATIONAL REGULATIONS IN AN APPROVED LANDFILL SITE.  
PACKAGING SHOULD BE TAKEN FOR RECYCLING OR DISPOSAL  
THROUGH A SUITABLY QUALIFIED CONTRACTOR.

**14. TRANSPORT :**

THIS PRODUCT IS NOT REGULATED FOR TRANSPORTATION  
IN ANY MODE OF TRANSPORT AND NOT CLASSIED AS HAZARDOUS.

**15. Other Information:**

This information is for Health and Safety guidance only and does not  
constitute the user's own assessment of suitability and workplace risk.  
The information is accurate to our knowledge and belief but since the  
conditions of handling and use are outwith our control, we make no  
guarantee of results and assume no liability for damages incurred by use of  
this material.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**VENTILATION:**

ENSURE THE ROOM/ PLACE OF USAGE IS WELL VENTILLATED AS THERE IS A POSSIBILITY OF SMOKE EMISSIONS

**PERSONAL PROTECTION :**

WHERE CONTACT IS LIKELY, WEAR EYE PROTECTION, AND GLOVES. WHERE CONTACT MAY OCCUR WITH HOT MATERIAL, IT IS STRONGLY RECOMMENDED TO ENSURE EYE PROTECTION IS USED, AS WELL AS LONG SLEEVED GARMENTS AND THERMAL INSULATED GLOVES.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE : SOLID  
FORME : SOLID STICKS 4" LONG  
ODOUR : SLIGHT RESINOUS EMISSION.

MELT POINT : 85 - 90 DEGREES ( DEG C)  
BOILING POINT : 200 DEGREES C.

THERMAL DECOMPOSITION : 300 DEGREES C.

SOLUBILITY IN WATER : INSOLUBLE

VISCOSITY : NOT AVAILABLE  
EVAPORATION RATE : NOT APPLICABLE

**10. STABILITY AND REACTIVITY**

HAZARDOUS POLYMERISATION : NO

CONDITIONS TO AVOID

POLYMERISATION : NOT APPLICABLE

STABILITY : STABLE

MATERIALS AND CONDITIONS

TO AVOID (INCOMPATIBILITY) : STRONG OXIDISING AGENTS  
VERY HIGH TEMPERATURES.

HAZARDOUS DECOMPOSITION  
PRODUCTS

: CARBON DIOXIDE (CO2) SMOKE  
AND FUMES.

**SKIN CONTACT :**

**HOT/MOLTEN MATERIAL** – In the event of spillage i.e Wax dropping or spilling onto unprotected skin area, immerse in large amounts of cold, preferably running water to dissipate the heat until level is much reduced. Wax may then be removed taking extra care not to damage or tear skin away. In the event of severe skin damage cover with clean cotton bandaging or similar burn protective material and seek medical attention.

**IT IS STRONGLY RECOMMENDED THAT PROTECTIVE GLOVES AND EYE PROTECTION IS USED AT ALL TIMES WHEN WORKING WITH SEALING WAXES.**

**EYE CONTACT :**

Should there be an occasion where a particle of wax enters the eye, flush with Cold water or recommended /suitable liquid, ensuring the liquid flows away from the affected eye and if necessary seek medical assistance.

**INGESTION :**

First aid is not normally required.

**5. FIRE-FIGHTING MEASURES**

**FIRE-FIGHTING PROCEDURES:**

Highly unlikely situation given the nature of the product being used in very small quantities at one time. However, use water spray to cool fire exposed surfaces and block any supply of air to the fire.

**SPECIAL FIRE PRECAUTIONS:**

Respiratory and eye protection required. Long sleeved arm protection recommended

See Sections 4 "First Aid Measures" and 10 "Stability and Reactivity"

**HAZARDOUS COMBUSTION PRODUCTS:**

Fumes, smoke Carbon dioxide (CO2) emissions at extremely high temperatures.

**6. ACCIDENTAL RELEASE MEASURES.**

**LAND SPILL**

Stop source if possible. Sweep up spilled material and place in suitable container for disposal.

**7.**

**HANDLING & STORAGE :**

STORAGE TEMPERATURE (DEG C) : AMBIENT

TRANSPORT TEMPERATURE (DEG C) : AMBIENT

VISCOSITY : NOT APPLICABLE

STORAGE PRESSURE : ATMOSPHERIC

ELECTROSTATIC ACCUMULATION

HAZARD : NONE

**STORAGE/HANDLING NOTES :**

STORE IN A COOL, DRY AREA, WELL CLEAR OF ANY HEATERS .  
AVOID PROLONGED PERIODS IN DIRECT SUNLIGHT WHICH MAY  
CAUSE REMASSING AND POSSIBLE DETERIORATION OF PIGMENT  
COLOUR.