



SAFETY DATA SHEET

TIOZONE WAXES

1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

Product identifier.

Product Name: TIOZONE

Details of the supplier of the safety data sheet.

Company: **IBERCERAS SPECIALTIES S.L.U.**
Address: Julián Camarillo nº 4 Edf. 37/C 3ª Planta
City: Madrid
Province: 28037 Madrid
Telephone: (+34) 91 375 62 00
Fax: (+34) 91 304 21 27
E-mail: ceras@iberceras.es

Emergency telephone number: (+34) 91 375 62 00 office (Only available during office hours)

2. HAZARDS IDENTIFICATION.

The preparation is not classified as hazardous according to the Directive 1999/45/EC.

3. COMPOSITION/INFORMATION ABOUT THE COMPONENTS.

Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC:

Not applicable

4. FIRST AID MEASURES.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

There are no risks of the solid material in normal use. In case of inhalation of steam of the fused material, take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

Eye contact.

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.

There are no risks of contact with solid material in normal use. Wash with water and soap. **NEVER** use solvents or thinners. Contact with molten product will cause thermic burns. In case of contact with molten material, cool the area with water, do not try to take off the material adhered to the skin, treat the burn and seek medical attention.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.



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5. FIREFIGHTING MEASURES.

Recommended extinguishing methods.

In case of fire: use water spray to cool fire exposed surfaces and to protect personnel.
Suitable extinguishing media: water spray, foam, CO₂, powder extinguisher, dry chemical powder.
Precautions: an inappropriate use of water with the fused material may cause product to overflow and spread out.

Special risks.

As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide.
Exposure to combustion or decomposition products can be harmful to your health.
Minimize dust generation and accumulation. Powdered material may form explosive dust-air mixtures.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

Other recommendations.

Use water to cool tanks, cisterns, or containers close to the heat source or fire.
Take wind direction into account.
Prevent the products used to fight the fire from going into drains, sewers, or waterways.

6. ACCIDENTAL RELEASE MEASURES.

Individual precautions.

Eliminate possible ignition points and ventilate the area. Do not smoke.
Avoid breathing fumes of the molten product. For exposure control and individual protection measures, see section 8.

Cleaning methods.

In case of spillage of the solid material, sweep up the area with a dustpan or similar and place in suitable containers for recycle or disposal.
In case of spillage of the molten product, keep people away, let product to solidify and place in suitable containers for recycle or disposal.
For later elimination of waste, follow the recommendations under section 13.

Environmental protection precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.
In case of large spills or if the product contaminates lakes, rivers or sewers, inform the responsible authorities according to local legislation.



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7. HANDLING AND STORAGE.

7.1 Handling.

No special measures for handling and warehousing solid product are needed.

Keep the container far from heat sources, preferably in a cold, dry place.

Avoid the accumulation of electrostatic charges.

Keep the container tightly closed and isolated from sparks and fire. Do not use tools that can cause sparks.

Prevent the preparation from contacting the skin or eyes.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in the original container.

7.2 Storage.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35 °C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Exposure limits.

Work exposure limit for:

Name	VLA-ED *		VLA-EC *	
	ppm	mg/m ³	ppm	mg/m ³

* According to the list of Limit Environmental Professional Exposure Values adopted by the National Institute for Safety and Hygiene at Work for the year 2007.

8.2 Exposure controls.

Measures of a technical nature: provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Breathing protection: no especial measures for usual industrial practice. Use a facemask when working with molten material.

Hand protection: for prolonged or repeated contact, use vinyl polychloride or nitrile rubber glove types.

Eye protection: use glasses or facial protection, especially when working with molten product.

Skin protection: no especial measures for usual industrial practice.

For molten product, use gloves to protect against burns.

Personnel must wear clothing made of natural or synthetic fibres resistant to high temperatures.

All body parts that have been in contact with the preparation must be washed.



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9. PHYSICAL AND CHEMICAL PROPERTIES.

9.1 General information.

Aspect: white/yellow solid
Smell: characteristic

9.2 Important health, safety and environmental information.

pH: not applicable
Boiling Point: not applicable
Flash point: >200 °C
Inflammability (solid, gas): inflammable at temperatures higher than 200 °C
Explosive properties: not available
Combustive properties: not available
Vapour pressure: not available
Relative density: not available
Solubility
 Hydrosolubility: no
 Liposolubility: partial
Distribution coefficient (n-octanol/water): not available
Viscosity: 3/15 cP at 100 °C
Vapour density: not available
Evaporation velocity: not available

10. STABILITY AND REACTIVITY.

Stable under the recommended handling and storage conditions (see section 7).
In case of fire, steam water and dangerous products can be generated by decomposition, such as carbon monoxide and dioxide, and fumes.
Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

11. TOXICOLOGICAL INFORMATION.

There are no tested data available on the product. Exposure to concentrations of solvent fumes above the work exposure limit can have negative effects (for example, irritation of the mucous membranes and respiratory system).
Repeated or prolonged contact with the preparation can cause a non-allergic contact dermatitis.

12. ECOLOGICAL INFORMATION.

There are no tested data available on the preparation. The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground. Prevent the emission of solvents into the atmosphere.



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13. DISPOSAL CONSIDERATIONS.

Dumping into sewers or waterways is prohibited. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

14. TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

15. REGULATORY INFORMATION.

The information given in this Safety Data Sheet has been drafted in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

16. OTHER INFORMATION.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation.

This Safety Data Sheet is generic, strictly informative. It has no date or revision number.

If you are interested in a Safety Data Sheet of a particular product, you may request it to our Technical Department.