



HotFireDoor

1978

MASILLA REFRACTÁRIA NEGRA.

GENERALIDADES.

El producto "MASILLA REFRACTARIA NEGRA" es un adhesivo sellador para altas temperaturas listo al uso. Entre las propiedades físicas más sobresalientes que se han observado en el producto, cabe destacar su excelente anclaje sobre materiales resistentes al fuego y un excelente comportamiento frente a la temperatura y humedad.

CARACTERÍSTICAS.TECNICAS

MATERIA BASE EMPLEADA	MATERIA INORGANICA
VISCOSIDAD (1).....	SUPERIOR A 1000000 Cps
DENSIDAD	1,70 gr./cm ³
SECADO HASTA MANIPULACIÓN.....	24 HORAS A 20 °C
RESISTENCIA TERMICA.....	1300 °C

APLICACIONES.

Masilla adhesiva en medio acuoso, no inflamable y con clasificación M0.
Pegado de lana de roca, fibra cerámica, silicato cálcico, yeso, sobre chapa metálica, u hormigón.
Montaje de chimeneas, estufas, insert, aparatos de calefacción, elementos de calderas etc.
Reparación de grietas
Colocación de ladrillos refractarios.

MODO DE EMPLEO.

La superficie a reparar debe estar limpia y seca. Es conveniente lijarla ligeramente antes de aplicación.
Aplicación a pistola selladora en cordones.
Calentar de forma progresiva en el 1º uso.

SEGURIDAD.

Este producto no está clasificado como peligroso, no obstante en caso de contacto con ojos o mucosas, lavar abundantemente bajo agua corriente y solicitar revisión del oculista.

LIMPIEZA DE UTILES. Agua Templada.

CONSERVACIÓN.

Conservar el producto en ambiente seco y fresco a temperatura de 10/20°C. Cerrar los envases después de su uso. Preservar el adhesivo de bajas y altas temperaturas. Duración 1 año a partir de la fecha de fabricación.

SERVICIO.

El presente BOLETIN es a título INFORMATIVO. A petición suya Jimenez Cristaleros S.L le enviará la HOJA DE SEGURIDAD Y ESPECIFICACIONES TECNICAS de este producto.

Puede consultar sin compromiso alguno a nuestro departamento de aplicaciones en cualquier momento. Las manifestaciones efectuadas están basadas en experiencias que hemos tenido hasta la fecha. Deben considerarse como información sin compromiso. Puede recurrir al servicio de asesor técnico, el cual les atenderá libre de ningún cargo y sin ningún compromiso. Ninguna responsabilidad, excediendo del valor de nuestro producto, puede derivarse de las anteriores declaraciones.

POR FAVOR hagan en todo caso la prueba previa del producto antes de su uso industrial, y establezcan por si mismos si nuestro producto es interesante para sus propósitos.

(1) Viscosidad Brookfield RVT husillo del 7 a 2,5 rpm durante 4 minutos adhesivo a 20/24°C. Medida después de 1 hora de reposo.

MASILLA REFRACTÁRIA

«E01_01»-SEALANT FOR FIRE RESISTANT

SAFETY DATA SHEET



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Revision date: «E01_10»

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

Preparation name: SEALANT FOR FIRE RESISTANT
Code: MASILLA REFRACTÁRIA NEGRA
Use of the preparation: HEATING

Company: JIMENEZ CRISTALEROS SL
Address: ECHEGARAY 31
City: TOTANA
Province: MURCIA (ESPAÑA)
Telephone: 0034 968 420632
Fax: 0034 968 424766
Emergency telephone number: 94 562 04 20 (I.N.T)

2. COMPOSITION OF/INFORMATION ABOUT THE COMPONENTS.

HALOGENATED SALT OF SILICIC ACID WITH INORGANICS COMPOUNDS

Substances that are a health risk according to R.D. 363/1995, Rules and Regulations on Dangerous Substances:

The preparation does not contain substances classified as hazardous according to *Appendix I of the Regulation on notification of new substances, classification, packing and labelling of hazardous substances.*

3. IDENTIFICATION OF THE RISKS FOR THE PREPARATION.

The preparation is not classified as hazardous according to the *Regulation on classification, packing and labelling of hazardous preparations*. The continuous contact can cause to irritation to the skin and the eyes

4. FIRST AID.

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

Inhalation.

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.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

Ingestion.

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

5. FIRE FIGHTING MEASURES.

Recommended extinguishing methods.

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

Special risks.

Fire can cause thick, black smoke. 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.

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 gloves.

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.

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6. MEASURES TO TAKE IN CASE OF ACCIDENTAL SPILL.

Individual precautions.

Eliminate possible ignition points and ventilate the area. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

Cleaning methods.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Keep remains in a closed container. 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.

7. HANDLING AND STORAGE.

Handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The preparation must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The preparation can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

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

Prevent the preparation from contacting the skin or eyes. Avoid the inhalation of fumes and mists that form when spraying.

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

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

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

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-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

8. EXPOSURE CONTROL/PERSONAL PROTECTION.

Measures of a technical nature.

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system. If this were not enough to keep the particulate and fume concentrations of the solvent below the work exposure limit, suitable breathing equipment must be used.

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 2004.

Breathing protection.

When workers are subjected to concentrations above the exposure limit, they must use suitable and officially approved equipment. Use active carbon masks.

Hand protection.

For prolonged or repeated contact, use polyvinyl alcohol or nitrile rubber types of gloves. Protective creams can help to protect exposed areas of the skin. These creams must **NEVER** be applied once exposure has occurred.

Eye protection.

Use protective goggles especially designed to protect against liquid splatters. Install emergency eyewashes near the use area.

Skin protection.

Personnel must wear anti-static clothing made of natural fibre 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.

Aspect:
Smell:
pH: 10,5
Boiling Point: 100 °C
Flash point: mayor de 55 °C
Inflammability (solid, gas):
Explosive properties:
Combustive properties:
Vapour pressure:
Relative density: 1,60-1,65 gr./cc a 20 °C
Solubility
 Hydrosolubility: MISCIBLE
 Liposolubility:
Distribution coefficient (n-octanol/water):
Viscosity: SUP 100.000 CPS
Vapour density:
Evaporation velocity:

10. STABILITY AND REACTIVITY.

Stable under the recommended handling and storage conditions (see section 7).
In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.
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, adverse effects on the kidneys, liver, and the central nervous system). Among the symptoms are headaches, vertigo, fatigue, muscular weakness, drowsiness, and in extreme cases, unconsciousness.
Repeated or prolonged contact with the preparation can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the preparation through the skin.
Splatters in the eyes can cause irritation and irreversible damage.
LD50>2000 MG/KG

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.
LD50 (96 H): 301/478 MG/L
To consider solely a toxicity derived from the increase of pH by its
Alkalinity

13. ELIMINATION CONSIDERATIONS.

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

14. INFORMATION PERTAINING TO TRANSPORT.

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

15. REGULATORY INFORMATION.

The preparation is not classified as hazardous according to the *Regulation on classification, packing and labelling of hazardous preparations*.

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16. OTHER INFORMATION.

Complete text of the R phrases that appear in section 2:

The information given in this Safety Data Sheet has been drafted in accordance with RD 255/2003 (Directive 1999/45/EC, Directive 2001/60/EC and partly Directive 2001/58/EC, related to the safety data sheets of hazardous goods) of 28 February, published in Official Gazette of 4 March 2003, whereby the Regulation on Classification, Packaging and Labelling of Hazardous Goods is approved, as well as the RD 363/1995 of 10 March, published in Official Gazette of 5 June 1995, whereby the Regulation on Notification of New Substances and Classification, Packaging and Labelling of Hazardous Substances is approved, whose technical appendices have been updated by Orders of 13 September 1995 and 21 February 1997, published in Official Gazettes 224 and 59 respectively, RD 700/98 of 24 April 1998, published in Official Gazette of 8 May 1998, Order of 30 June 1998, published in Official Gazette of 6 July 1998, Order of 11 September 1998, published in Official Gazette of 17 September 1998, Order of 8 January 1999, published in Official Gazette of 14 January 1999, Order of 16 July 1999, published in Official Gazette of 27 July 1999, Order of 5 October 2000, published in Official Gazette of 10 October 2000, Order of 5 April 2001, published in Official Gazette of 19 April 2001, RD 507/2001, published in Official Gazette of 12 May 2001, Order PRE/2317/2002 of 16 September, published in Official Gazette of 24 September 2002 and RD 99/2003 of 24 January, published in Official Gazette of 4 February 2003, Directive 2004/73/EC of 29 April 2004.

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. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.



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Nombre del Producto : MASILLA REFRACTARIA NEGRA

HOJA DE SEGURIDAD.

Esta hoja de seguridad se ha preparado según los requisitos del Real Decreto 1078/1993.

1.- IDENTIFICACION DE PREPARADO Y EMPRESA.

1.1. Identificación del preparado:

MASILLA REFRACTARIA NEGRA.

1.2. Identificación de la empresa:

JIMENEZ CRISTALEROS SL.
C/ ECHEGARAY 31 30850 TOTANA MURCIA
Telf. 968 420632 Fax. 968 424766
<http://www.jimenezcristaleros.es>
E-Mail: gerente@jimenezcristaleros.es

1.3. Información en caso de urgencia:

(91) 562 04 20 Dar referencia **MASILLA REFRACTARIA NEGRA.**

2. COMPOSICION/INDICACION DE LOS COMPONENTES.

2.1. Descripción química: Silicato liquido, mezclado con cargas inorgánicas.

2.2. Componentes: Silicato y cargas inorgánicas.

3. IDENTIFICACION DE PELIGROS.

Este producto no está clasificado como peligroso. No obstante, el contacto continuo podría causar irritación a la piel y los ojos.

4. PRIMEROS AUXILIOS.

4.1. Indicaciones generales: **Este producto no está considerado como peligroso.**

4.2. Inhalación: No aplicable.

4.3. Contacto con la piel: **Lavarse abundantemente con agua y jabón.** No usar disolvente orgánicos. Si presenta irritación conseguir atención médica.

4.4. Contacto con los ojos: **Lavar abundantemente bajo agua corriente durante 15 minutos y con los párpados abiertos, control posterior por el oculista.**



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5. MEDIDAS DE LUCHA CONTRA INCENDIOS.

- 5.1. Riesgos especiales de incendio: **Incombustible.**
 - 5.2. Vestimenta de protección especial: **La adecuada al fuego circundante en caso de incendio.**
 - 5.3. Agentes de extinción adecuados: **Los adecuados para la extinción del fuego circundante en caso de incendio.**
 - 5.4. Otras recomendaciones: **Ninguna especial.**
-

6. MEDIDAS A TOMAR EN CASO DE VERTIDO ACCIDENTAL.

- 6.1. Precauciones individuales:
 - 6.2. Precauciones para la protección del medio ambiente: Evitar que el producto derramado alcance los desagües, drenajes de pluviales y aguas naturales, así como su infiltración en el suelo, por el riesgo de su alcalinización.
 - 6.3. Manipulación de los derrames: Aislar y contener los derrames con montones de tierra, serrín, arena u otros materiales absorbentes y recoger el producto derramado. Y eliminar los restos neutralizándolos con ácidos y limpiando con abundante agua.
 - 6.4. Eliminación del producto/envases: El producto residual admite su recuperación y reciclado. Los envases de producto pueden ser eliminados o reciclados según las características y contaminación del propio envase.
-

7. MANIPULACION Y ALMACENAMIENTO.

- 7.1. Manipulación: Procurar evitar el contacto con la piel y ojos, protegiéndose adecuadamente.
 - 7.2. Almacenamiento: Mantener en su propio envase bien cerrado hasta su aplicación.
 - 7.3. Materiales compatibles: Utilizar solamente acero y materiales plásticos.
-

8. CONTROLES DE EXPOSICION/PROTECCION PERSONAL.

- 8.1. Medidas de orden técnico: Ninguna medida en especial.
 - 8.2. Componentes con valores límite de exposición: no establecidos.
 - 8.3. Equipos de protección personal:
 - 8.3.1. Protección respiratoria: **En caso de generarse aerosoles ambientales utilizar mascarilla protectora.**
 - 8.3.2. Protección de las manos: **Guantes de goma o neopreno.**
 - 8.3.3. Protección de los ojos: **Gafas de protección.**
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9. PROPIEDADES FISICAS Y QUIMICAS.

Aspecto: Masa viscosa.
Color: Negro
Olor: inodoro.
Punto/intervalo de ebullición: 100,7° C (fase acuosa)
Punto/intervalo de fusión: no aplicable.
Temperatura de ignición: No aplicable.
Punto de Inflamación: No aplicable.
Límites de inflamabilidad en el aire: no aplicable.
Presión de vapor a 20 ° C: no determinada.
Densidad a 20 ° C: 1,7 g/cm³
Solubilidad en agua a 20 ° C: miscible
Valor pH: 11,0.
Viscosidad: sup a 1000000 cps.

10.- ESTABILIDAD Y REACTIVIDAD.

- 10.1. Condiciones a evitar: Evitar el contacto con ácidos y recipientes metálicos no férricos.
Una larga exposición al aire puede ocasionar la carbonatación del producto por el anhídrido carbónico.
- 10.2. Materias a evitar: Aluminio, Estaño, Zinc.
- 10.4. Productos de descomposición:
Reacciona violentamente con ácidos concentrados desprendiendo calor.
Ataca a los metales no férricos (Aluminio, estaño, zinc) desprendiendo hidrógeno, gas inflamable y explosivo.
-

11.- INFORMACION TOXICOLOGICA.

- 11.1. Inhalación: En forma de aerosol es irritante para las mucosas y el tracto respiratorio.
Sin datos disponibles.
- 11.2. Ingestión: **Toxicidad aguda, oral, rata: LD₅₀>2000 mg/Kg.**
- 11.3. Contacto con la piel: No irritante (conejo).Ref.POTOKAR,M-1982.
- 11.4. Contacto con los ojos: **No irritante(conejo).Ref. SCHELEYER, W.L. & BLUMBERG, J.G. 1.982.**
- 11.5. Sensibilización: **No reconocidos efectos sensibilizantes.**
- 11.6. Carcinogenosidad: **No incluido en las listas de cancerígenos.**
- 11.7. Mutagenosidad: **No incluido en las listas de mutágenos.**
- 11.8. Toxicidad a la reproducción: **Sin datos experimentales.**
No reconocido como reprotóxico por los Organismos Oficiales ni por institutos de investigación, (IARC, NTP,OSHA,ACGIH).
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12- INFORMACIONES ECOLOGICAS.

- 12.1. Información general: El producto no es peligroso ni tóxico para el Medio Ambiente de acuerdo con la Directiva 67/548/CEE y siguientes enmiendas.
El silicato es estable y los estudios de biodegradabilidad no le son aplicables por ser una sustancia inorgánica.
- 12.2. Toxicidad acuática: Toxicidad aguda peces: LD₅₀(96 h.) = 301/478 mg/l.
(Lepomis microchirus).
Ref.U.K. Departament Environment, 1991 (E.S.L).
Toxicidad aguda crustaceos: EC₅₀ (100 h.) = 247 mg/l.
(Daphnia Magna).
Ref.U.K. Departament Environment, 1991 (E.S.L).
- 12.3. Comportamiento en medio acuático: Los silicatos solubles en contacto con aguas naturales pueden reaccionar con los iones calcio, magnesio, hierro, aluminio, etc. Dando compuestos insolubles constituyentes de suelos naturales.
Al anión silicato no se le atribuye ningún efecto nocivo específico. A considerar únicamente una toxicidad derivada de un aumento del valor pH por su alcalinidad.

13.- CONSIDERACIONES SOBRE SU ELIMINACION.

El producto fuera de calidad ó desechado y una vez neutralizado debe ser eliminado según las normas y reglamentos establecidos.

14.- INFORMACION RELATIVA AL TRANSPORTE.

- 14.1 Transporte por tierra ADR/RID: **No clasificado.**
14.2 Transporte marítimo IMDG/IMO: **No restringido**
14.3 Transporte aéreo ICAO/IATA: **No restringido**
14.4 Número: No asignado.
14.5 Grupo embalaje: Ninguno.

15.- INFORMACION REGLAMENTARIA.

- 15.1. ENVASADO Y ETIQUETADO (Directiva 67/548/CEE. Y sucesivas enmiendas, RD 363/95 y siguientes.)
- 15.2. **No está clasificado en ningún reglamento de productos tóxicos y peligrosos.**
- 15.3. Frases de riesgo:
No aplicable.
- 15.4. Frases de seguridad:
No aplicable
- 15.5. Símbolos de riesgo:
No aplicable



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15.6. RESIDUOS TÓXICOS Y PELIGROSOS (Ley 29/1.985 y RD 849/1.986):
No procede.

15.7. LEY DE AGUAS (Ley 29/1.985 y RD 849/1.986).
No considerando como sustancia contaminante. No obstante, su alcalinidad puede afectar al aumento de pH.

16.-OTRAS INFORMACIONES.

Esta información está relacionada con el producto que se cita en el apartado "Indicación de sustancia/preparado", no siendo válida cuando el mismo es utilizado con otros productos o procesos. Los datos reflejados están basados en nuestros actuales conocimientos. Describen nuestros productos desde el punto de vista de las exigencias de seguridad, pero no tienen la finalidad de asegurar unas determinadas propiedades. Es responsabilidad del usuario establecer la idoneidad de la información facilitada con el uso particular que vaya a realizar del producto.

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Inhalation.

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.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

Ingestion.

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

5. FIRE FIGHTING MEASURES.

Recommended extinguishing methods.

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

Special risks.

Fire can cause thick, black smoke. 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.

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 gloves.

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.

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

Follow legislation on occupational health and safety.

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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-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

8. EXPOSURE CONTROL/PERSONAL PROTECTION.

Measures of a technical nature.

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system. If this were not enough to keep the particulate and fume concentrations of the solvent below the work exposure limit, suitable breathing equipment must be used.

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 2004.

Breathing protection.

When workers are subjected to concentrations above the exposure limit, they must use suitable and officially approved equipment. Use active carbon masks.

Hand protection.

For prolonged or repeated contact, use polyvinyl alcohol or nitrile rubber types of gloves. Protective creams can help to protect exposed areas of the skin. These creams must **NEVER** be applied once exposure has occurred.

Eye protection.

Use protective goggles especially designed to protect against liquid splatters. Install emergency eyewashes near the use area.

Skin protection.

Personnel must wear anti-static clothing made of natural fibre 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.

Aspect:
Smell:
pH: 10,5
Boiling Point: 100 °C
Flash point: mayor de 55 °C
Inflammability (solid, gas):
Explosive properties:
Combustive properties:
Vapour pressure:
Relative density: 1,60-1,65 gr./cc a 20 °C
Solubility
 Hydrosolubility: MISCIBLE
 Liposolubility:
Distribution coefficient (n-octanol/water):
Viscosity: SUP 100.000 CPS
Vapour density:
Evaporation velocity:

10. STABILITY AND REACTIVITY.

Stable under the recommended handling and storage conditions (see section 7).
In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.
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, adverse effects on the kidneys, liver, and the central nervous system). Among the symptoms are headaches, vertigo, fatigue, muscular weakness, drowsiness, and in extreme cases, unconsciousness.
Repeated or prolonged contact with the preparation can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the preparation through the skin.
Splatters in the eyes can cause irritation and irreversible damage.
LD50>2000 MG/KG

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.
LD50 (96 H): 301/478 MG/L
To consider solely a toxicity derived from the increase of pH by its
Alkalinity

13. ELIMINATION CONSIDERATIONS.

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

14. INFORMATION PERTAINING TO TRANSPORT.

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

15. REGULATORY INFORMATION.

The preparation is not classified as hazardous according to the *Regulation on classification, packing and labelling of hazardous preparations*.

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16. OTHER INFORMATION.

Complete text of the R phrases that appear in section 2:

The information given in this Safety Data Sheet has been drafted in accordance with RD 255/2003 (Directive 1999/45/EC, Directive 2001/60/EC and partly Directive 2001/58/EC, related to the safety data sheets of hazardous goods) of 28 February, published in Official Gazette of 4 March 2003, whereby the Regulation on Classification, Packaging and Labelling of Hazardous Goods is approved, as well as the RD 363/1995 of 10 March, published in Official Gazette of 5 June 1995, whereby the Regulation on Notification of New Substances and Classification, Packaging and Labelling of Hazardous Substances is approved, whose technical appendices have been updated by Orders of 13 September 1995 and 21 February 1997, published in Official Gazettes 224 and 59 respectively, RD 700/98 of 24 April 1998, published in Official Gazette of 8 May 1998, Order of 30 June 1998, published in Official Gazette of 6 July 1998, Order of 11 September 1998, published in Official Gazette of 17 September 1998, Order of 8 January 1999, published in Official Gazette of 14 January 1999, Order of 16 July 1999, published in Official Gazette of 27 July 1999, Order of 5 October 2000, published in Official Gazette of 10 October 2000, Order of 5 April 2001, published in Official Gazette of 19 April 2001, RD 507/2001, published in Official Gazette of 12 May 2001, Order PRE/2317/2002 of 16 September, published in Official Gazette of 24 September 2002 and RD 99/2003 of 24 January, published in Official Gazette of 4 February 2003, Directive 2004/73/EC of 29 April 2004.

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. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.