
1. IDENTIFICATION OF THE SUBSTANCE AND MANUFACTURER

Material Name: NO+PINCHAZOS Tyre Sealant

Distributor: Easy Road S.L.
Calle de Torres Quevedo 8
28108 – Alcobendas, Madrid (Spain)

Telephone: +34 91 183 53 51
Email: info@nomaspinchazos.com
Web: www.nomaspinchazos.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a preparation and contains hazardous components

Product Formal Name: NO+PINCHAZOS Tyre Sealant
Synonyms: None

Hazardous Components:

Chemical Name	N°CAS	EINECS	Symbol	R-Phrase(s)	Concentración
1,2 Ethane Diol	107-21-1	203-473-3	Xn	R22	50.00%
Dihydroxy Ethane 1,2					
Ethylene glycol					

3. HAZARDS IDENTIFICATION**Health Hazards**

Vapors may be slightly irritating. May cause moderate irritation to skin. Moderately irritating to the eyes. Solids in product can irritate or scratch eyelid and/or eye. Harmful if swallowed. May cause drowsiness and dizziness. Possibility of organ or organ system damage from prolonged exposure; see Chapter 11 in the Material Safety Data Sheet for details. Target organ(s): Kidney. Intentional abuse, misuse or other massive exposure may cause multiple organ damage and or death.

Signs and Symptoms**Ingestion**

Kidney toxicity may be recognized by blood in the urine or increased or decreased urine flow. Other signs and symptoms can include nausea, vomiting, abdominal cramps, diarrhea, lumbar pain shortly after ingestion, and possibly narcosis and death.

Eye Contact

Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and /or blurred vision.

Skin Contact

Skin irritation signs and symptoms may include a burning sensation, redness, swelling and/or blisters.

Inhalation

Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing.

Aggravated Medical Condition

Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this

EUROPEAN MATERIAL SAFETY DATA SHEET**MSDS VERSION EN-1**

material: Kidney.

Safety Hazards

Not classified as flammable. Will not burn.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Skin Contact: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.

Ingestion: DO NOT DELAY. Do not induce vomiting. If victim is alert, rinse mouth and drink ½ to 1 glass of water to help dilute the material. Do not give liquids to a drowsy, convulsing, or unconscious person. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Advice to Physician: May cause significant renal, respiratory, and CNS toxicity. May cause significant acidosis. Consider: Gastric lavage with protected airway, administration of ethanol or alcohol dehydrogenase inhibitors, such as fomepizole, as antidotal treatments. Contact a Poison control Center or toxicologist for guidance.

5. FIRE FIGHTING MEASURES**Specific Hazards**

Material will not burn unless preheated. Carbon monoxide may be evolved if incomplete combustion occurs. Containers exposed to intense heat from fires should be cooled with large quantities of water.

Extinguishing Media

Alcohol-resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable Extinguishing Media

Do not use water in a jet.

Protective Equipment for Firefighters

Wear full protective clothing and self-contained breathing apparatus.

Additional Advice

Evacuate the area of all non-essential personnel. Keep adjacent containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES**Protective Measures**

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Product does not flow readily. Nevertheless, prevent large volumes from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Use appropriate containment to avoid environmental contamination. Ventilate contaminated area thoroughly.

EUROPEAN MATERIAL SAFETY DATA SHEET**MSDS VERSION EN-1****Clean Up Methods**

Contain run off, flush and dispose of properly. Soak up spills with an absorbent such as clay, sand or other suitable material. For small liquid spills (< 1 drum), transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

Additional Advice

See Chapter 13 for information on disposal. Observe all relevant local regulations. Notify authorities if any exposure to the general public or the environment occurs or is like to occur. Dike and contain spill water.

7. HANDLING AND STORAGE**General Precautions**

Avoid breathing of or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For comprehensive advice on handling, product transfer, storage and tank cleaning refer to the product supplier.

Handling

Use local exhaust extraction over processing area. Handle and open container with care in a well ventilated area. Do not empty into drains. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Handling Temperature: Ambient. 60°C maximum.

Storage

Tanks must be clean, dry and rust-free. Keep container tightly closed. Must be stored in a diked well-ventilated area, away from sunlight, ignition sources and other sources of heat. Cleaning, inspection and maintenance of storage tanks is a specialist operation which requires the implementation of strict procedures and precautions. Drums should be stacked to a maximum of 3 high. Storage Temperature: Ambient. 60°C maximum.

Product Transfer

Keep containers closed when not in use. Do not pressurize drum containers to empty.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Occupational Exposure Limits**
UK Workplace Exposure Limits

Ethylene Glycol:		EH40 WEL	TWA		10 mb/m3
Particulate		EH40 WEL	TWA	20 ppm	52 mg/m3
Vapor		EH40 WEL	STEL	40 ppm	104 mg/m3
Particulate		EH40 WEL	SKIN_DES		<i>Can be absorbed through the skin.</i>
Vapor		EH40 WEL	SKIN_DES		<i>Can be absorbed through the skin.</i>

Additional Information

Wash hands before eating, drinking, smoking and using the toilet. Launder contaminated clothing before re-use.

Exposure Controls

EUROPEAN MATERIAL SAFETY DATA SHEET**MSDS VERSION EN-1**

No exposure controls are ordinarily required under normal conditions of use. It is good general industrial hygiene practice to minimize exposure to the material.

Personal Protective Equipment

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are unsuitable (e.g., airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus. Where air filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapors [boiling point >65°C (149°F)] meeting EN141.

Hand Protection

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: Longer term protection: PVC Neoprene rubber. Nitrile rubber. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced.

Eye Protection

Chemical splash goggles (chemical monogoggles), or safety glasses with side shields.

Protective Clothing

Skin protection not ordinarily required beyond standard issue work clothes. Chemical resistant gloves/garntlets, boots, and apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Sand, Grey or Red. Highly viscous liquid.
Odor	Mild
Odor Threshold	25 ppm
Boiling Point	100 - 204°C / 212 - 400°F
Pour Point	-37°C
Flash Point	103°C / 217°F (PMCC / ASTM D93)
Explosion / Flammability	2.6 % (V)
Auto-Ignition Temperature	371°C / 700°F
Vapor Pressure	0.3 mbar (25°C)
Specific Gravity	1.1 (15°C)
Water Solubility	Partially soluble
Stability	Stable

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions of use. Reacts with strong oxidizing agents.

Conditions to Avoid

EUROPEAN MATERIAL SAFETY DATA SHEET**MSDS VERSION EN-1**

High temperature.

Materials to Avoid

Strong oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition Products

Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. TOXICOLOGICAL INFORMATION**Basis for Assessment**

Information given is based on component testing.

Acute Oral Toxicity

Low toxicity: LD50 > 700 mg/kg, Rat

There is a marked difference in acute oral toxicity between animals and man, man being more susceptible than animals. The estimated fatal dose for man is 150 milliliters (1/2 cup). Ingestion may cause drowsiness and dizziness. Classified as harmful by European Commission.

Acute Dermal Toxicity

Low toxicity: LD50 > 700 mg/kg, Rabbit

Acute Inhalation Toxicity

Expected to be of low toxicity: LC50 > 5 mb/l Rat

Skin Irritation

May cause moderate skin irritation (but insufficient to classify).

Eye Irritation

Severely irritating to eyes. (due to particulate matter).

Respiratory Irritation

Inhalation of vapors or mists may cause irritation to the respiratory system.

Sensitization

Not a skin sensitizer.

Repeated Dose Toxicity

Kidney: can cause kidney damage.

Mutagenicity

No evidence of mutagenic activity.

Carcinogenicity

EUROPEAN MATERIAL SAFETY DATA SHEET**MSDS VERSION EN-1**

Not carcinogenic in animal studies.

Reproductive and Development Toxicity

Causes fetotoxicity in animals; considered to be secondary to maternal toxicity.

12. ECOLOGICAL INFORMATION**Acute Toxicity**

Fish	Low toxicity: LC/EC/IC50 > 150 mg/l
Aquatic Invertebrates	Low toxicity: LC/EC/IC50 > 150 mg/l
Algae	Low toxicity: LC/EC/IC50 > 150 mg/l
Microorganisms	Low toxicity: LC/EC/IC50 > 150 mg/l

Mobility

Keep partially in water.
If product enters soil, it will not be highly mobile, but could contaminate groundwater.

Persistence/Degradability

Liquid components are readily biodegradable.
Oxidizes rapidly by photo-chemical reactions in air.

Bioaccumulation

Does not bioaccumulate significantly.

13. DISPOSAL CONSIDERATIONS**Material Disposal**

Recover or recycle if possible. Waste arising from a spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand. Remove all packaging for recovery or waste disposal.

Container Disposal

Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand.

Local Legislation

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

ADR	This material is not classified as dangerous under ADR regulations.
RID	This material is not classified as dangerous under RID regulations.
ADNR	This material is not classified as dangerous under ADNR regulations.
IMDG	This material is not classified as dangerous under IMDG regulations.

IATA (Country variations may apply)

This material is not classified as dangerous under IATA regulations.

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material. Information of most significant component (Ethylene Glycol) listed below.

EC Label Name MONOETHYLENE GLYCOL

EUROPEAN MATERIAL SAFETY DATA SHEET**MSDS VERSION EN-1**

EC Label/EC Number	203-473-3
EC Classification	Harmful
EC Annex I Number	603-027-00-1
EC Symbols	Xn Harmful
EC Risk Phrases	R22 Harmful if swallowed
EC Safety Phrases	S2 Keep out of the reach of children
AICS	Listed
DSL	Listed
INV (CN)	Listed
ENCS (JP)	Listed (2)-230
TSCA	Listed
EINECS	Listed 203-473-3
KECI (KR)	Listed KE-13169
PICCS (PH)	Listed
ECMON	Listed 53650

16. OTHER INFORMATION

R-phrases(s)	R22 Harmful if swallowed.
MSDS Version Number	1
MSDS Effective Date	10.05.2011
MSDS Revisions	A vertical bar () in the left margin indicates an amendment from the previous version.
MSDS Regulation	The content and format of this safety sheet is in accordance with Commission Directive 2001/58/EC of 27 July 2001, amending for the second time Commission Directive 91/155/EEC.
Uses and Restrictions	Keep out of reach of children and pets. Use only as intended. Do not use in the manufacture or preparation of foods or pharmaceuticals.
MSDS Distribution	The information in this document should be made available to all who may handle the product.
Disclaimer	This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.