

Product: **NanoExtender**Update: 23.02.2004  
Replaces: -**1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY**

Product name: **NanoExtender**

Chemical product designation: Open time extender for NanoTone and NanoBasic, roll

Manufacturer: Nanosol AB  
Importgatan 10  
SE-422 46 Hisings Backa  
Sweden  
Telephone +46 31 742 33 30  
Telefax +46 31 742 33 39

Emergency telephone no:  
+ 46 31 742 33 30 (office hours)  
112, ask for the Swedish Poisons Information Centre (day and night in case of emergency)

**2. COMPOSITION / INFORMATION ON INGREDIENTS / CLASSIFICATION OF SUBSTANCES**

Substance	CAS no.	EINECS No.	Content%	Hazard Symbol	Risk Phrases
1,2-Propanediol	57-55-6	200-338-0	>99	-	-

**3. HAZARDS IDENTIFICATION**

Health hazards: The product is not regarded as being hazardous.

Environmental hazards: The product is not regarded as being dangerous for the environment.

Fire hazards: The product is non-flammable.

Physical/chemical hazards: No known hazards.

**4. FIRST AID MEASURES**

General information: If uncertain, or if symptoms persist, seek medical advice.

Inhalation: -

Skin contact: Wash skin with soap and water.

Eye contact: Rinse immediately with plenty of water, eyelids held apart. If symptoms persist, seek medical advice.

Ingestion: Drink a couple of glasses of milk or water. Seek medical advice if more than a negligible amount has been swallowed, or if you feel unwell.

**5. FIRE FIGHTING MEASURES**

When heated, flammable vapours which might cause explosive mixture with air, are released.

Extinguishing compounds: Spray fog (water), carbon dioxide, powder.

Protective equipment: Standard protective equipment for fire fighting personal is demanded.

In case of fire, move or cool up-heated containers with water.

**6. ACCIDENTAL RELEASE MEASURES**

Absorb with sand, earth or other absorbent and gather up. Clean with water. Prevent discharge into drainage systems, water or ground. For personal protective equipment refers to item 8 and 13.

**7. HANDLING AND STORAGE**

When working with the product, ensure normal ventilation. A good level of industrial hygiene must be applied. Caution concerning fire, sparks and welding.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Hand protection: If there is a risk of prolonged, repeated contact, use nitrile rubber gloves. Information regarding penetration time is not available.

Eye protection: If there is a risk of splashing, use protective glasses.

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Reg. Office: Göteborg	SE-422 46 Hisings Backa	Int. +46 31 742 33 30	Int. +46 31 742 33 39	Internet: www.nanosol.se
	Sweden			

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Product description:	Colourless, viscous liquid
Density:	1040 kg/m <sup>3</sup>
Boiling point:	188 °C
Melting point:	<-60 °C
Vapour pressure:	0,03 kPa
Solubility in water:	Miscible
Log Pow:	-0,92
Gas density (air=1):	2,6
Flash point:	103 °C
Ignition temp:	371 °C
Explosion conc:	3-13 vol%

**10. STABILITY AND REACTIVITY**

Reacts violently in contact with strong oxidizing agents as potassium permanganate and chromium oxide.  
 Hazardous decay products: propionaldehyde (thermal decombustion).  
 Stable under normal storage and handling conditions.

**11. TOXICOLOGICAL INFORMATION**

Inhalation:	Due to the low vapour pressure of the product, there is no risk of inhalation. Exposure to mist is not likely to be harmful.		
Ingestion:	Ingestion of larger quantities may give fatigue, dizziness and nausea.		
Skin contact:	Long time exposure may cause skin irritation.		
Eye contact:	Splashes may cause slight irritation.		

LD <sub>50</sub> :	21-34 mg/kg	(orally, rat)
LD <sub>50</sub> :	>5000 mg/kg	(dermally, rabbit)

**12. ECOLOGICAL INFORMATION**

LOW TOXICITY FOR AQUATIC ORGANISMS. Available data indicates that only larger local discharges may be a hazardous risk to aquatic organisms.

LOW TOXICITY FOR MAMMALS LIVING ON LAND. Normal handling and minor discharge are not deemed to constitute a health risk.

EASILY DECOMPOSED. Is decomposed relatively rapidly by naturally occurring microorganisms.  
 Does not BIOACCUMULATE in aqueous environments.

Toxicity:	LC <sub>50</sub> (fish):	46500-54900 mg/l water	(96h, Pimephales promelas)
	EC <sub>50</sub> :	26500-34400 mg/l water	(96h, Daphnia)
Degradability:	BOD20/ThOD: 86%		
Bioaccumulation:	log P <sub>ow</sub> :<0		

**13. DISPOSAL CONSIDERATIONS**

The product is not classified as dangerous waste according to ordinance on environmentally dangerous waste SFS 2001:1063.

Destruction in accordance with state or local regulations. Prevent discharge into drains.

The product can be burnt under controlled conditions according to current laws.

**14. TRANSPORT INFORMATION**

The product is not classified as hazardous goods in transit.

**15. REGULATORY INFORMATION**

Classification/Symbol:	-
Labelling of contents:	-
Risk phrases:	-
Safety phrases:	-
Inflammable product:	-

**16. OTHER INFORMATION**

All information has been produced on the basis of information available from our suppliers.

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