

ENDO N2 (powder)

1. NAME OF SUBSTANCE / PREPARATION AND COMPANY

Commercial names / synonyms
ENDO N2 (powder)

Manufacturer:
GHIMAS S.p.A.
Via Cimarosa 85
40033 Casalecchio di Reno (BO)
Tel. ++39 051 575353
Fax ++39 051 575568

Technical information:
laboratorio@ghimas.it

Emergency telephone number:
+39 02-6610-1029 (Centro Antiveleni Niguarda Ca' Granda - Milano)

2. POSSIBLE HAZARDS

Harmful if inhaled or in contact with the skin. Irritates eyes, skin and respiratory tract. Possible irreversible damage - limited evidence.
Use the product according to the prescription

3. COMPOSITION / INFORMATION ON CONSTITUENTS

Description: mixture of solids in the proportions set out

Components	%	CAS N°	Hazard statement(s)	Precautionary statement(s)
Zinc oxide	65-66	1314-13-2	H410	P273, P501
Zinc stearate	0,074	557-05-1	-	-
Dehydrated zinc acetate	0,074	5970-45-6	H302,H319, H410	P273, P305+P351+P338,P501
Paraformaldehyde	4,0	30525-89-4	H228,H302+H332,H315, H317,H318,H335,H351	P210,P261,P280, P305+P351+P338
Titanium dioxide	4 - 5	13463-67-7	-	-
Basic bismut subcarbonate	10,1	5892-10-4	-	-
Basic bismuth subnitrate	15,1	1304-85-4	H272, H315, H319, H335	P220, P261, P305 + P351 + P338
Ferrous oxide	0,1 – 0,2	1309-37-1	H315, H319, H335	P261, P305 + P351 + P338

About the hazard statements and precautionary statements see paragraph 16

4. FIRST AID MEASURES

- If it comes into contact with the eyes:

Wash immediately in plenty of water or physiological solution for at least 10-15 minutes. In case consult a doctor

- If it comes into contact with the skin:

Wash immediately in plenty of soap and water or physiological solution for at least 10-15 minutes.

- If it is swallowed:

In case of persistent symptoms, consult a doctor.

- If it is inhaled:

Remove the victim from the contaminated area and leave him or her to rest in a well ventilated area. If the victim has difficulty in breathing, call for a doctor immediately.

- General information:

Remove contaminated clothes

5. FIRE FIGHTING MEASURES

Extinguish with a water jet, foam, powder. Provide workers with appropriate protective equipment for respiratory system.

6. ACCIDENTAL RELEASE OR SPILLAGE

Issue staff with protective clothing. Stop the powder from spreading and then gather it up into containers for disposal. Wash the affected area with plenty of water and ensure that the area is adequately ventilated.

7. HANDLING AND STORAGE

Keep in hermetically sealed containers in a dry, well aired place.

The product is not a fuel but should nevertheless be kept away from sources of heat or flammable substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection:

Respiratory system: Mask

Eyes: Safety goggles

Skin: Rubber gloves and apron

Personal hygiene: Do not eat, drink or smoke during handling. Immediately remove all the contaminated clothes. Wash the hands during the breaks and at the end of work

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powdery solid
Colour:	Pink
Odour:	Pungent smell of formaldehyde
Solubility in water:	Partially, when heated
Solubility in main organic solvents:	
Solubilità in organic acids	soluble
Density (water = 1):	
Specific weight of vapours (air=1)	
Melting point:	>1000 °C
Boiling point:	
Flash point:	Not applicable
Bottom and top flash points in air (% by volume):	

Ignition temperature:	the product are not self igniting
Vapor pressure:	
Decomposition temperature:	None if used according to specification
Solvent content	0.0%
Solid content	100%

10. STABILITY AND REACTIVITY

Dangerous decomposition products:	None if used according to specifications
Dangerous reactions:	None if used according to specifications

11. TOXICOLOGICAL INFORMATION

Exposure limits

TLV / TWA (zinc oxide)	ppm = 5	mg/m ³
TLV / STEL (zinc oxide)	ppm = 10	mg/m ³
TLV / TWA 1 (Paraformaldehyde)	ppm = 1,5	mg/m ³
TLV / STEL 2 (Paraformaldehyde)	ppm = 3	mg/m ³

ENTERS THE HUMAN BODY Through swallowing, inhalation, touching

ACUTE TOXICITY: NO INFORMATION ABOUT THE MIXTURE IS AVAILABLE. THE INFORMATION GIVEN REFERS TO THE ACTIVE COMPONENT

Paraformaldehyde DL50 oral rat 592mg/Kg

The presence of Paraformaldehyde in the product may cause a burning sensation, coughing, laryngitis, breathlessness, headaches, nausea and vomiting. It may provoke allergic reactions in the respiratory system and on the skin

CORROSIVE IRRITANT PROPERTIES:

For the skin:

The preparation irritates the skin and causes local rashes and irritation

-For the respiratory system:

The preparation irritates the respiratory system

- For the eyes:

The preparation irritates the mucous of the eye

IRRITANT PROPERTIES:

The preparation has irritant properties and causes reactions in the skin and the respiratory apparatus

CARCINOGENESIS

No experimental or epidemiological evidence is available for the preparation.

The decomposition product of paraformaldehyde, has been listed as a carcinogen by NTP and IARC.

MUTAGENESIS

No experimental evidence is available for the preparation.

TERATOGENY

No experimental evidence of this has been recorded.

12. ECOLOGICAL INFORMATION

Dangerous for class 0 waters (German Regulation) (self classification). Follow prescribed procedures and do not discharge into the environment.

13. DISPOSAL CONSIDERATION

Dispose in accordance with regulations in force for the disposal of dangerous products.

14. TRANSPORT REGULATION

Transport by road and rail:

ADR/RID:	Class	Page
CT/RAIL	Category	Page

Transport by sea

IMDG CODE: UN n° 3077	Class	Page
-----------------------	-------	------

Transport by air

ICAO/IATA: UN n° 3077	Class	Page
-----------------------	-------	------

15. REGULATORY INFORMATION

-

16. OTHER INFORMATIONS

Hazard statement(s):	H410 H302 H319 H228 H272 H302+H332 H315 H317 H318 H319 H335 H351	Very toxic to aquatic life with long lasting effects Harmful if swallowed. Causes serious eye irritation. Flammable solid. May intensify fire; oxidiser Harmful if swallowed or if inhaled Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. May cause respiratory irritation. Suspected of causing cancer.
Precautionary statement(s):	P210 P220 P261 P273 P280 P501 P305+P351+P338	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep/Store away from clothing/ combustible materials. Avoid breathing dust. Avoid release to the environment Wear protective gloves/ eye protection/ face protection. Dispose of contents/ container to an approved waste disposal plant. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

The data and information contained in this safety report are based on the most reliable information available at the moment that the report was drawn up. The company assumes no liability for harm to persons or damage to things that may arise from improper use of the information contained in this document.