



SAFETY DATA SHEET

NITOSEAL PE290 CATALYSED FILLER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name NITOSEAL PE290 CATALYSED FILLER

Product number A1994004AE1

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Filler component of two part polyester resin surface sealing compound.

1.3. Details of the supplier of the safety data sheet

Supplier Al Gurg Fosroc LLC
PO Box 657
Dubai
United Arab Emirates
+ 971 4 2858606

1.4. Emergency telephone number

Emergency telephone +97142039699 (08:00 to 16:30) // +971506258232 (16:30 to 08:00)GMT+4

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements P261 Avoid breathing dust.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P501 Dispose of contents/ container in accordance with national regulations.

Contains BENZOYL PEROXIDE

NITOSEAL PE290 CATALYSED FILLER

Supplementary precautionary statements

P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P321 Specific treatment (see medical advice on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BENZOYL PEROXIDE			1-5%
CAS number: 94-36-0	EC number: 202-327-6	REACH registration number: 01-2119511472-50-XXXX	
M factor (Acute) = 10	M factor (Chronic) = 10		
Classification Org. Perox. B - H241 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410			

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention immediately. Keep affected person under observation.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Do not rub eye. Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

General information	Get medical attention promptly if symptoms occur after washing.
Inhalation	May cause irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	May cause irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
-----------------------------	------------------------

NITOSEAL PE290 CATALYSED FILLER

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Toxic gases or vapours. Oxides of carbon.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of dust. Use work methods which minimize dust production. Avoid contact with eyes and prolonged skin contact. For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Good personal hygiene procedures should be implemented. Avoid generation and spreading of dust. Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

BENZOYL PEROXIDE

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit.

Ingredient comments WEL = Workplace Exposure Limits

BENZOYL PEROXIDE (CAS: 94-36-0)

NITOSEAL PE290 CATALYSED FILLER

DNEL	Workers - Inhalation; Long term systemic effects: 39 mg/m ³ Workers - Dermal; Long term systemic effects: 13.3 mg/m ³
PNEC	- Fresh water; 0.02 µg/l - marine water; 0.002 µg/l - STP; 0.35 mg/l - Sediment (Freshwater); 0.013 mg/kg - Sediment (Marinewater); 0.001 mg/kg Soil; 0.003 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of dust. Observe any occupational exposure limits for the product or ingredients.

Personal protection

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. (conform EN 166)

Hand protection

Wear protective gloves. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. If signs of wear and tear are noticed then the gloves should be replaced.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

Respiratory protection

Wear a suitable dust mask. Wear a respirator fitted with the following cartridge: Particulate filter, type P2. (EN 149)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder.
Colour	Grey, Black
Odour	Odourless.
Odour threshold	Not applicable.
Flash point	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not applicable.
Vapour pressure	Not applicable.

NITOSEAL PE290 CATALYSED FILLER

Vapour density	Not applicable.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not applicable.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	No data available.
-------------------	--------------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable at normal temperatures and pressure.
------------	---

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
-----------	--

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
------------------------------------	--

10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
---------------------	---

10.5. Incompatible materials

Materials to avoid	Strong acids. Strong alkalis. Strong oxidising agents.
--------------------	--

10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.
----------------------------------	---

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation	Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion	Not likely, due to the form of the product. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin contact	Irritating to skin. May cause an allergic skin reaction.
Eye contact	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. Immediate first aid is necessary.
Acute and chronic health hazards	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Toxicological information on ingredients.

BENZOYL PEROXIDE

NITOSEAL PE290 CATALYSED FILLER

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat

SECTION 12: Ecological information

Ecotoxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity The product contains a substance which is toxic to aquatic organisms.

Ecological information on ingredients.

BENZOYL PEROXIDE

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

Acute toxicity - fish LC₅₀, 96 hours: 0.06 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.11 mg/l, Daphnia magna

Acute toxicity - aquatic plants ErC₅₀, 72 hours: 0.0711 mg/l, Pseudokirchneriella subcapitata
NOEC, 3 days: 0.02 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - microorganisms EC₅₀, : 35 mg/l, Activated sludge

Chronic aquatic toxicity

NOEC 0.0001 < NOEC ≤ 0.001

Degradability Rapidly degradable

M factor (Chronic) 10

12.2. Persistence and degradability

Persistence and degradability The product is not biodegradable.

Ecological information on ingredients.

BENZOYL PEROXIDE

Persistence and degradability The product is biodegradable.

Biodegradation OECD 301D
- Degradation 71 %: 28 days

12.3. Bioaccumulative potential

Partition coefficient Not determined.

Ecological information on ingredients.

BENZOYL PEROXIDE

Bioaccumulative potential BCF: 66.6,

NITOSEAL PE290 CATALYSED FILLER

Partition coefficient log Pow: 3.2

12.4. Mobility in soil

Mobility Insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Note that fully cured material is not considered as hazardous waste.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	3077
UN No. (IMDG)	3077
UN No. (ICAO)	3077
UN No. (ADN)	3077

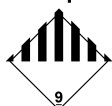
14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS BENZOYL PEROXIDE)

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M7
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



NITOSEAL PE290 CATALYSED FILLER

14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	2Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(-)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	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) (as amended).
Guidance	Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	Only trained personnel should use this material.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	14/06/2021
Revision	5
Supersedes date	24/05/2015

NITOSEAL PE290 CATALYSED FILLER

Hazard statements in full

H241 Heating may cause a fire or explosion.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.