Specification

DENAX DPG POWDER

Active Ingredient	
Chemical name	1,3-Diphenylguanidine
Synonyms	N,N-Diphenylguanidine; Diphenylguanidine; DPG; Melaniline
CAS	102-06-7
EINECS	203-002-1
Molecule	$(C_6H_5NH)_2C{:}NH$
Formula	$C_{13}H_{13}N_3$
Molecular weight	211.266 g/mol
Specifications	
Assay of DPG by titration	min. 97.0 % w/w
Volatiles	max. 0.5 % w/w
Ash at 760°C	max. 0.4 % w/w
Residue on sieve:0.071 mm (wet)	max. 0.3 % w/w
Residue on sieve:0.02 mm (wet)	max. 0.05 % w/w
Melting point	min.146°C
Appearance	White to slightly pink powder
Expiry	1 year from production date
Properties	
Solubility	Soluble in acetone, ethanol, benzene, acids; insoluble in water
Stability and reactvity	Stable under normal temperature and pressure Decomposes above 170°C (flash point)
Application	
Rubber industry	Medium fast alkaline vulcanization (secondary) accelerator. Used in production of technical rubber: tyres, shoes, belts, etc. Not appropriate for rubber used in food industry (bitter taste).

Packaging:

Paper bag 15 kg – 600 kg net/637 kg gross per pallet wrapped with PE foil on pallet CP1 (100x120x180/200 cm (w/l/h)).

Safety information:

The substance is harmful to health. Use protective clothing, gloves, goggles and respirator. Do not eat, drink and smoke during its handling. Prevent dispersion of dust (keep < 2mg/m^3). Produces toxic fumes when burned. More information can be found in the MSDS.

Transport:

ADR/RID/IMDG: Class 6.1 UN number 2811 Packing group III

IMPORTANT: The technical data herein are subject to change without notice.
Buyer assumes all risks of use, storage, and handling of the product.

APPROVED: 07/2020 by Head of QM: Michaela Nováková, Ph.D.

Draslovka

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