

S. S.

BLOW CHEM PVT. LTD.

TECHNICAL DATA SHEET

Azodicarbonamide(ADC)	
PRODUCT	AZODICARBONAMIDE
CHEMICAL STRUCTURE	$C_2H_4 N_4O_2$ CAS NUMBER {123-77.3} MOL WT. = 116
GAS CONTENT	MAINLY NITROGEN & CARBON MONOXIDE
APPEARANCE	YELLOW ORANGE FINE POWDER
ASH	0.3%
pH (5% AQUEOUS SUSPENSION AT 25 C)	7.0 ± 0.5
MOISTURE CONTENT	0.2 % W/W MAX.
SOLUBILITY	SOLUBLE IN DMF & DMSO INSOLUBLE IN WATER & BENZENE
PARTICLE SIZE	2~45 MICRON
MESH SIZE (+300) BSS	0.1 % W/W max.
DECOMPOSITION TEMP. (OPEN CAPILLARY TUBE METHOD)	175~205 C
GAS EVALUATION	225~236 ml/gm @ S.T.P.
SPECIFIC GRAVITY	1.65 @ 25 C

APPLICATION

- ⊞ In the production of cellular plastics e.g., plasticized & un plasticized PVC ,High Impact polystyrene, High/Low density Polyethylene, ethylene-vinyl acetate copolymers, natural and synthetic rubber, silicone rubber, Polypropylene, ABS and nylon etc.
- ⊞ To make artificial PVC leather cloth for wall-papers, floor & wall coverings.
- ⊞ In the molded cabinets for TVs, Radios, Computers, Automobile Part etc.
- ⊞ In the extrusions of profiles, sheets, pipes & wire coatings.
- ⊞ For making cellular ceramics.
- ⊞ Seals for crown corks and door sealing strips.

DOSAGE

- ⊞ 0.5 – 6.0 PHR depending on the polymers used & extent to expansion required.

PACKING

- ⊞ MICROCELL ADC is packed in 25 Keps. HDPE woven bags/ corrugated paper cartons with a polythene liner inside.

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STORAGE

Its storage stability is good enough provided it is stored.

- ⊞ In a cool and dry place.
- ⊞ Away from localized sources of heat.
- ⊞ Away from strong alkalis & acids with which it reacts.

FLAMMABILITY

- ⊞ MICROCELL ADC is non-flammable and does not support combustion. Decomposition of MICROCELL ADC on heating causes evolution of fumes resembling smoke. In case of Fire, use water.

TOXICITY

- ⊞ MICROCELL ADC is of low toxicity by skin contact and is mildly irritating to the eyes, its decomposition residues are also of low toxicity.

HANDLING

- ⊞ MICROCELL ADC is substantially free from handling problems, care should be taken to prevent its contact with skin & eyes. Avoid creating dusty conditions because of possibility of respiratory.

OUR STATEMENT

- ⊞ The statements made in the above documents are correct to the best of our knowledge and belief. S. S. Blow Chem. Pvt. Ltd., gives no warranty as to their accuracy and will not be responsible for any loss or expenses arising from use of these products

OUR OFFICE

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