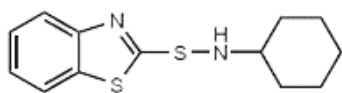


# ACTMIX CBS-80GE/C

## Accelerator CBS(CZ)

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N-cyclohexyl-2-benzothiazolesulphenamide

C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>S<sub>2</sub>

M.W.: 264.4

CAS: 95-33-0

EINECS: 202-411-2

### PROPERTIES:

Vulcanization accelerator CBS can prolong scorching time of rubber compounds, high processing safety and fast vulcanization rate. It can be used alone in low-sulfur vulcanization, might as well can be used together with dithiocarbamates or thiurams. Its vulcanizate has excellent properties of anti-ageing and compression set resistance. It can obviously shorten scorching time of rubber compounds together with dithiocarbamates and thiurams. Thioureas have obvious effect on secondary acceleration to CBS, especially in the low-sulfur rubber compounds. It can delay scorching and improve processing safety in thiols and thiurams rubber compounds.

### DOSAGE:

For NR:primary accelerator:  
0.5-1.0phr with 2.5-3.5phr sulfur;  
For SBR: 1.0-1.5phr combine with  
0-0.2 thiurams accelerators and  
1.5-2.5phr sulfur.

### TYPICAL VALUES:

Melting point: Min 96°C  
Purity: Min 98%  
Free amine content: Max 0.5%  
Ash content(950°C,2h): Max 0.4%  
Volatile content: Max 0.5%  
63µm sieve residue: Max 0.5%

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| PRODUCT  | Active Content (%) | Appearance    | Filtration (µm) | Binder   | Sulfur Element (%) | Density (g/cm <sup>3</sup> ) |
|--|--------------------|---------------|-----------------|----------|--------------------|------------------------------|
| <b>Actmix® CBS-80G/C</b>   | 80                 | Blue Granules | -               | EPDM/EVM | 19.0               | 1.05                         |
| * Binder type can be customized. Except EPDM/EVM, others binders, such as NBR, SBR, AR, ECO also can be available for. |                    |               |                 |          |                    |                              |
| <b>SAFETY&amp;TOXICITY:</b>  |                    |               |                 |          |                    |                              |
| Please refer to related SDS.   |                    |               |                 |          |                    |                              |
| <b>PACKAGING&amp;STORAGE:</b>  |                    |               |                 |          |                    |                              |
| Net weight 25kg/carton lined PE bag; Net 600 kg/pallet.  |                    |               |                 |          |                    |                              |
| <b>Shelf-life: 6 months in its original packaging</b>  |                    |               |                 |          |                    |                              |
| Stored in a dry and cool place.  |                    |               |                 |          |                    |                              |

### Compared to traditional CBS powders, Actmix®CBS-80GE/C allows:

- Dust free products with a complete filtration up to 100µm, no skin sensitization, health guard of operators.
- Effective guarantee of stability and activity of CBS due to pre-dispersed masterbatch.
- Tack free products at room temperature, convenience and accuracy on ingredients.
- Lower Mooney viscosity at lower temperature (50°C), higher quality of dispersion.
- Impurity free, blocked filter free of extrusive products, scrap rate reduction and higher productivity thanks to filtration.
- Wider compatibility with other elastomers.

G: granule, P: plate, E: EPDM binder, N: NBR binder, S: SBR binder, A: ACM binder, EO: ECO binder, F140: filtration and micron number of filter

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from references. Therefore it is not valid legally and does not signify any guarantee to customers of successful applications of the product according to their own formulas. However, our company will offer professional services in technology at utmost to facilitate customers to achieve expected purpose of product applications.