

Technical Data Sheet

QUREACC®TBSI



Composition	Tertiary butyl-2-benzothiazolesulfenimide
CAS No.	3741-80-8
EC No.	407-430-1
Molecular Formula	C ₁₈ H ₁₇ N ₃ S ₄
Molecular Weight	404

Property	Unit	Typical Value	Test Method
Appearance	-	Off white to light yellow - Brown free flowing powder	Visual
Assay (By HPLC)	%	88.0 min.	ASTM D 5297
Melting point	°C	128.0 min.	ASTM D 1519
Loss on drying (@105°C)	%	0.5 max.	ASTM D 4571
Oil content	%	2.0 max.	ASTM D 4573
Sieve residue (150 μ)	%	0.5 max.	ASTM D 4572

Application:

A satisfactory delayed action accelerator is one that remains substantially inert during rubber compounding operation, but gives reasonable rate of cure when the temperature of the mixture is raised to effect vulcanization.

QUREACC®TBSI is a delayed action primary amine based accelerator. It is primarily used to cure large thick articles where balanced cure is important throughout cross-section

- ❖ It is a delayed action slow curing accelerator ideally suited for large thick articles like Tractor and earthmoving tyres where balance of cure is important.
- ❖ It promotes adhesion of rubber to brass coated steel and is recommended for Radial Tyres.
- ❖ It gives better reversion resistance as compared to sulphenamide accelerators in diene rubbers.
- ❖ TBSI due to its sulphenimide structure has excellent storage stability in Hot and Humid Conditions.
- ❖ It is used at levels similar to those used with sulphenamide accelerators.

Packing:

Available in 25 Kgs. Bag.

Storage stability:

Store in a cool and dry place. Stable for up to 24 months from the date of manufacturing when stored in the original packing material in a cool and dry environment.

Safety:

Please refer safety data sheet.

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Although every care has been taken in the completion of the above information & recommendation they are offered in good faith without guarantee.