

S. S.

BLOW CHEM PVT. LTD.

TECHNICAL DATA SHEET

MICROCELL TSSC

PRODUCT	P-Toluenesulfonylsemicarbezide
CHEMICAL STRUCTURE	CH ₃ C ₆ H ₄ SO ₂ NHNHCONH ₂ CAS NUMBER {10396-10-8} MOL WT. = 229
GAS CONTENT	MAINLY NITROGEN & CARBON DIOXIDE
APPEARANCE	WHITE FINE POWDER
ASH	0.3%
pH (5% AQUEOUS SUSPENSION AT 25 C)	7.5 ± 0.5
MOISTURE CONTENT	.5 % W/W MAX.
SOLUBILITY	SOLUBLE IN Water : 0.49 Toluene : 0.35 Alcohol : 5.10 DMSO : Fairly soluble
PARTICLE SIZE	4.0-4.6
MESH SIZE (+300) BSS	0.1 % W/W max.
DECOMPOSITION TEMP. (OPEN CAPILLARY TUBE METHOD)	217 ± 5 Deg. Celsius.
GAS EVALUATION	130 ± 5 ml/gm @ S.T.P.
SPECIFIC GRAVITY	1.44 @ 25 C

APPLICATION

- ☞ The decomposition rate of **MicroCell - TSSC** is suitable for high processing temperatures with ABS, low melt index Polyolefin's, impacted PS, and Engineering plastics.
- ☞ **MicroCell -TSSC** offers improved surface appearance in structural foams in the processes of injection molding, and extrusion.
- ☞ **MicroCell -TSSC** often enables the use of high temperatures with resin that can also be foamed with Azodicarbonamide resulting in greater output per machine.
- ☞ The decomposition temperature of **MicroCell -TSSC** can be lowered by activators, and **MicroCell -TSSC** is applicable to white PVC products without high loading of titanium dioxide which reduce the physical properties.

DOSAGE

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

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PACKING

☞ **MicroCell –TSSC** is packed in 25 Kgs. HDPE woven bags/ corrugated paper cartons with a polythene liner inside.

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.
- ☞ Keep only in the temperature not exceeding 50 deg. Celsius.

FLAMMABILITY

☞ **MicroCell –TSSC** is non-flammable and does not support combustion. Decomposition of **MicroCell –TSSC** on heating causes evolution of fumes resembling smoke. In case of Fire, use water.

TOXICITY

☞ **MicroCell –TSSC** is of low toxicity by skin contact and is mildly irritating to the eyes, its decomposition residues are also of low toxicity.

HANDLING

☞ **MicroCell –TSSC** 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

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OUR OFFICE		
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