

# MAXCEL™ TGS-02

## TAIL GAS HYDROGENATION CATALYST LOW TEMPERATURE SPHERES

Typical Properties		
<b>Chemical</b>	Co (as CoO)	~ 3.1 %
	Mo (as MoO <sub>3</sub> )	~ 9.8 %
<b>Physical</b>	Surface Area	300 m <sup>2</sup> /g
	Total Pore Volume	0.51 cc/g
	Flat Plate Crush Strength	18 lb <sub>f</sub> /bead
	Bulk Density	46.5 lbs/ft <sup>3</sup> (745 kg/m <sup>3</sup> )
	Size – nominal	3.8 mm spheres
<b>Availability</b>	Packaging	Oxide: 1,500 lbs (680.4 kg) supersacks actiCAT®: 3,000 lbs (1,360.8 kg) flow bins UltraCAT®: 3,000 lbs (1,360.8 kg) flow bins (alternative packaging available upon request)
<b>Activation</b>	Stoichiometric sulfur required for activation (by weight): ~ 6 %	
	Loading density after activation: 50.0 lbs/ft <sup>3</sup> (800 kg/m <sup>3</sup> )	
<b>Application</b>	Spherical cobalt-molybdenum (CoMo) on activated alumina catalyst for use in Claus tail gas treating units that contain a hydrogenation/hydrolysis reactor (e.g. SCOT or LT-SCOT tail gas units). Designed for use in tail gas units with a reactor inlet temperature of at least 200 °C / 400 °F (low temperature units), but may also be used successfully in conventional tail gas units with reactors operated at higher temperature. Maxcel TGS-02 can be treated with actiCAT® TG presulfurization or UltraCAT® TG preactivation for simple and fast tail gas unit startup.	

\*Physical properties shown reflect typical values. Actual shipments fall within a specification range (provided upon request). Orders requiring a minimum volume fill should include a 5% minimum contingency if based on the typical density.

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