



For Prevention of “Bumping” in Boiling Liquids

In any laboratory procedure involving the boiling of a liquid, inert and insoluble Hengar Granules effectively prevent superheating with its attendant dangerous explosive vaporization commonly known as “bumping”.

A few Hengar Granules placed in any boiling liquid permit a steady copious stream of bubbles to escape without producing spasmodic splatter. Evaporation or distillation proceeds quietly and smoothly. Sharper fractions result. Flask breakage is reduced, and watching time is minimized. Froth is spread out evenly and does not climb the neck of the flask. Especially useful in boiling soap solutions and evaporating ethereal extracts of fat. With Hengar Granules in the vessel, any gases formed are extracted from the liquid quickly and completely.

Insoluble, Hengar Granules cannot contaminate the liquid. They remain at the bottom of the flask or beaker, permitting the liquid to be readily poured off. After use, the granules are simply discarded. Hengar Granules are also available with a pure selenium coating, for use in the Kjeldahl digestion and distillation method of organic nitrogen determination.

Hengar Granules, Plain

High purity, white, amphoteric alundum granule. Extremely hard porous surface. Will not crumble or “powder”. Four mesh granule size. Specific gravity 3.97.

Hengar Granules, Plain Micro

High purity, white amphoteric alundum granule. Extremely hard porous surface. Will not crumble or “powder”. Ten mesh granule size. Specific gravity 3.97.



| Description | Package Size | Part Number | Price |
|----------------------------|--------------|-------------|----------|
| 136A Plain Granules | 100g | 901600 | \$19.00 |
| 136B Plain Granules | 250g | 901700 | \$28.00 |
| 136C Plain Granules | 500g | 901800 | \$40.00 |
| 136D Plain Granules | 10kg | 901900 | \$467.00 |
| 136AA Plain Micro Granules | 100g | 903700 | \$36.00 |
| 136CC Plain Micro Granules | 500g | 903800 | \$74.00 |

Hengar Selenized Granules

High purity, amphoteric alundum, specially treated with selenium for use in determination of amino and cyanide nitrogen. Four mesh granule size, iridescent bluish black color. Selenium as a solid is relatively non-toxic. Its vapor or fumes are highly toxic. TLV 0.2mg/cubic meter. Specific gravity 4.10.



Hengar Selenized Granules, Micro

High purity, amphoteric alundum, specially treated with selenium for use in determination of amino and cyanide nitrogen. Ten mesh granule size, iridescent bluish black color. Specific gravity 4.10.

| Description | Package Size | Part Number | Price |
|--------------------------------|--------------|-------------|----------|
| 132A Selenized Granules | 100g | 901100 | \$49.00 |
| 132B Selenized Granules | 250g | 901200 | \$80.00 |
| 132C Selenized Granules | 500g | 901300 | \$149.00 |
| 132AA Selenized Micro Granules | 100g | 901400 | \$55.00 |
| 132CC Selenized Micro Granules | 500g | 901500 | \$180.00 |



Hengar Carborundum #12 Granules

Hard, bluish black, iridescent silicon carbide granule. No reduction characteristics. Oxidizes slowly at 1540°C. Twelve mesh granule size. Specific gravity 3.20.

| Description | Package Size | Part Number | Price |
|-------------------------------|--------------|-------------|---------|
| 133A Carborundum #12 Granules | 100g | 902000 | \$37.00 |
| 133B Carborundum #12 Granules | 500g | 902100 | \$71.00 |

Aitch-Tu-Ess (H₂S)

An economical way to produce hydrogen sulfide gas for use in qualitative analysis and the general chemistry laboratory. Aitch-Tu-Ess is a dry mixture of sulfur, a highly condensed hydrocarbon, and an inert dispersal agent. The sulfur and the hydrocarbon are combined in the proportion most conducive to maximum yield of H₂S gas, while the inert dispersal agent serves to support the reactants. This material, when heated, produces H₂S gas which is highly toxic. Heating and all experiments should be conducted under a fume hood. The threshold limit value of H₂S is 10 parts per million or 15 milligrams per cubic meter.



| Description | Package Size | Part Number | Price |
|-------------------|---------------------|-------------|----------|
| 310A Aitch-Tu-Ess | 1kg | 903400 | \$72.00 |
| 330A Aitch-Tu-Ess | 12 - 5g Cartridges | 903500 | \$33.00 |
| 330B Aitch-Tu-Ess | 144 - 5g Cartridges | 903600 | \$193.00 |

Hengar • A Division of Henry Troemner, LLC

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500170-00 (Rev. 1 10/2011)