

# METHYL BAPO

## SPACE PROPULSION

- › LAUNCHER
- › TACTICAL PROPULSION

Bonding agent for composite propellants (new generation of Aziridine).



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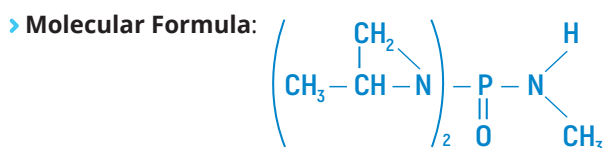
Improvement of adhesive properties of liners for composite propellants.

► **Chemical Name:**  
N-methyl-P,P-bis(2-methylaziridin-1-yl)  
phosphinamide

► **CAS Number:** 85068-72-0

► **EINECS Number:** 285-331-0

► **Molecular Formula:**  
C<sub>7</sub> H<sub>16</sub> N<sub>3</sub> O P M.W.: 189



### Typical Analysis

#### Physico Chemical Properties

Tests	Units	Requirements	Test Methods
Aspect		The physical state is solid at the preservation temperature	Visual control
Identification		In accordance with the reference spectrum	Infra Red spectrometry
Aziridine content	eq/kg	≥ 9.50	Titration
Moisture content	%	<1	Karl Fischer
Solubility		Soluble in water and usual organic solvents	

## REGULATORY INFORMATION

### Packaging and Storage:

- Methyl Bapo must be stored in the original unopened container (polyethylene vessel), itself stored with dessicant bags in a polyethylene bag in a fridge atmosphere at  $4 \pm 4^\circ\text{C}$  [Standard weight: 0.9kg].

### Transport / Caution:

- The transport must be in a refrigerated container.

**NOTE: Methyl Bapo is classified MTCR (Missile Technology Control Regime)**

### Regulatory information:

#### See SDS

- **EC Regulation n°1272/2008 (CLP):**



Danger  
Hazards classes H330, H311, H301, H319, H335, H315, H341

- **Directive n° 67/548/EEC (DSD):**

R24/25, R26, R36/37/38, R68

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