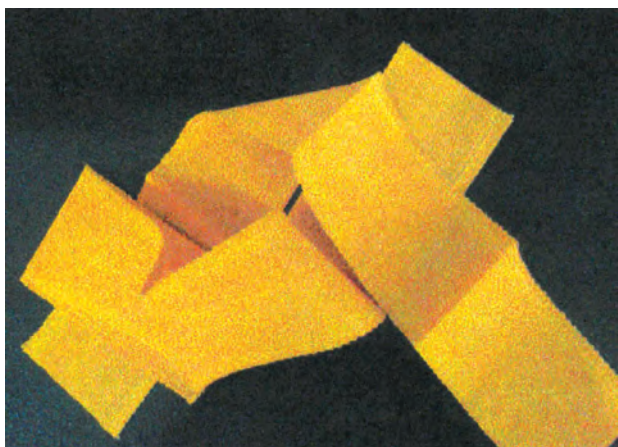


## UNSYMMETRICAL DIMETHYLHYDRAZINE LEAK INDICATOR

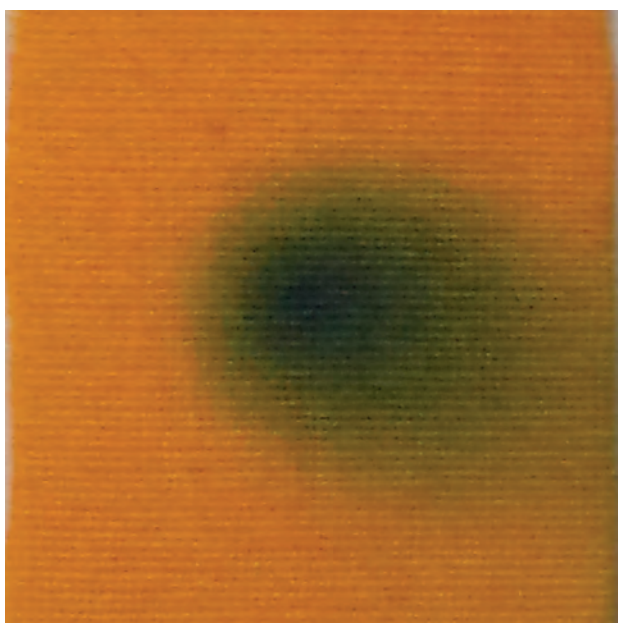


### Areas of Application

The indicator is designed for visual detection of unsymmetrical dimethylhydrazine (heptyl) leak as a result of through defects in detachable pipe connections of rocket fuel systems by a local change in color

### Specification

The product is made in the form of ribbon with geometric parameters chosen depending on the dimensions of pipeline connections. The original color of indicator's surface is orange. While contacting the places of unsymmetrical dimethylhydrazine leaks the indicator changes its color to green or blue. The minimum unsymmetrical dimethylhydrazine leak reliably detectable by the indicator during 5-minute test is about  $10^{-7} \text{ m}^3 \cdot \text{Pa/s}$ . The product can be used in the temperature range from +5 to +50 °C at a relative humidity of 98%



Appearance of unsymmetrical dimethylhydrazine leak indicator before (upper) and after (lower) contact with the mentioned substance

### Advantages

As compared with analogs, the product is more sensitive and suitable for the use in tropical conditions

### Stage of Development. Suggestions for Commercialization

IRL8, TRL9  
Manufacture, supply, and staff training, upon request

### IPR Protection

IPR3

### Contact Information

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