



**JJAZZ**<sup>®</sup>  
FLAME RETARDANT

# DATA SHEET

## JJAZZ<sup>®</sup> Non-Halogen Flame Retardant

### Product Description

**JJAZZ<sup>®</sup>** flame retardant is a highly efficient and most unique amino phosphate flame retardant system, based on proprietary catalyst technology and designed for use in environmentally friendly plastics applications. **JJAZZ<sup>®</sup>** flame retardant is non-toxic and non-corrosive, offers excellent hydrolytic stability, has superior char forming and low smoke characteristics and is easy to UV stabilize. **JJAZZ<sup>®</sup>** flame retardant does not contain any heavy metal or gaseous halogen by products and is compatible in most textile compositions. The most recognizable feature of the **JJAZZ<sup>®</sup>** flame retardant is its self-contained catalyst system, thus allowing for an overall lower FR use level and an improved physical property profile to the composition.

### Applications

- Polyolefin plastics where efficiency is a key consideration.
- Solvent based coatings, adhesives and paints
- Epoxy compounds & Composite Materials
- Elastomeric Rubber applications
- In most applications loading levels of 20-35% achieve **UL 94 V0** ratings (1/16" burn bar).
- Materials using **JJAZZ<sup>®</sup>** have also met the following standards: **ASTM E84, ISO 6722, UL 94 5V, UL VTMO, MVSS302, UL1581(VW-1)**

Typical Properties	Typical Values
Appearance	Finely divided, free-flowing off-white powder
Specific gravity	1.30
pH	7.2
Bulk Density (g/l)	400
Decomposition (5%, nitrogen)	>240°C

Available in various particle sizes to fit many applications (SP1, SP2, SP3)

### Health & Safety Information

Product health and safety information may be obtained from the Material Safety Data Sheet (MSDS). For a copy, please call 440-354-2551 or email at: [kara.orpritz@jji-technologies.com](mailto:kara.orpritz@jji-technologies.com). Before using any product, a customer is advised to review the MSDS of a respective product.

**JJAZZ<sup>®</sup>** flame retardant is a non-halogen flame retardant which does not contain heavy metals or phthalates.

For more information or samples call:  
1-877-JJI-FAQS (877-554-3277)

Or visit us online: [www.jji-technologies.com](http://www.jji-technologies.com)