



**SAFETY ALERT**



**JKKP/DOSH**

**DUST EXPLOSION AT KENAF  
PROCESSING PLANT**



On October 2, 2016, a dust explosion has occurred in the kenaf processing plant. These kenaf stem are burnt out to produce final product as a charcoal. The explosion has been affected to the processing area and caused serious injury to the worker and defects to the building.

Based on this incident, the following preventive aspect should be considered:

1. Employer should conduct the risk identification in order to identify the most probable area and process that could lead to an explosion of dust.
2. To ensure that all the elements contained in the dust explosion pentagon such as combustible material (fuel), source of ignition, dust dispersion and oxidant are not presence in the same time.
3. Installing the additional equipment such as rupture disk in a confined space to reduce the impact of explosion.
4. Provide proper training and awareness among workers related to dust explosion risk.