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**Slurry explosives, emulsion
explosives and their intermediates**

ICS 71.100.30

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS K 4827 : 1995** is replaced with **JIS K 4827 : 2004**.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Slurry explosives, emulsion explosives and their intermediates

1 Scope This Japanese Industrial Standard specifies slurry explosives, emulsion explosives and their intermediates. However, any permitted explosive shall be excluded.

Information : The classification and characteristics are shown in annex 2. For the slurry explosives and emulsion explosives, the Explosives Control Law shall be applied.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS K 4800 *Technical terms for explosives*

JIS K 4806 *Blasting caps and electric blasting caps*

JIS K 4810 *Testing methods of explosives*

JIS K 4828-4 *Test methods for the hazard classification of explosives—Part 4 : Test series 8*

JIS K 4833 *Analytical methods of slurry explosives and emulsion explosives*

JIS K 6718-2 *Plastics—Poly (methyl methacrylate) sheets—Types, dimensions and characteristics—Part 2 : Melt-calendered extruded sheets*

JIS K 6741 *Unplasticized poly (vinyl chloride) (PVC-U) pipes*

3 Definitions For the purposes of this Standard, the definitions given in **JIS K 4800** and the following definitions apply.

- a) **mobile manufacturing equipment** The equipment to manufacture slurry explosives and emulsion explosives from their intermediates and capable of being moved on the ground surface.
- b) **stationary manufacturing equipment** The equipment to manufacture slurry explosives and emulsion explosives other than the mobile manufacturing equipment.
- c) **intermediates of slurry explosives and emulsion explosives** The intermediate products of which the main compositions are ammonium nitrate and fuel to manufacture slurry explosives and emulsion explosives. The emulsion, suspension, or gel of ammonium nitrate are called as so.
- d) **quality of powder** The quality of slurry explosives and emulsion explosives, such as the ease of fixing caps and the ease of flow of loading.

4 Quality

4.1 Composition The composition shall be as follows:

- a) The moisture content of slurry explosives and emulsion explosives, when tested according to **6.1** of **JIS K 4833**, shall be not less than 5 % in mass percentage.