

**DATA PREPARATION OF
CATALYST AND CHEMICALS****JGS 210-120-1-53E**

Rev.2 DATE JUL.-31-'96

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1. SCOPE

This standard practice covers the minimum requirements for the preparation of the data sheet in relation to catalysts and chemicals to be used for chemical plants, petroleum refineries and other plants

2. WORK PROCEDURE

The data preparation on catalysts and chemicals should be executed as follows.

2.1 General

- (1) Regarding all catalysts and chemicals required for the plant operation, the quantity required for the initial filling and consumption thereof shall be calculated, and such catalysts and chemicals shall be summarized under their types.
- (2) All of these requirements shall be stipulated in their net value.

2.2 Format

The catalysts and chemicals for plant operation shall be specified in the latest JGC standard form No. 2217(Catalyst and Chemicals).

2.3 Catalyst and Packing

- (1) The following catalysts and packing shall be stipulated.
 - Catalyst
 - Adsorbent
 - Desiccant
 - Sand and rock salt for dehydrator
 - Iron-exchange resin
 - Ceramic balls for catalyst supporting and holding
- (2) The following data should be filled in the data sheet.
 - Catalyst or packing name
 - Catalyst or packing specification
 - Service (Item No. of equipment)
 - Initial fill
 - Bulk density for catalyst
 - Net weight for catalyst
 - Supplier for catalyst
 - Remarks, if there are special requirements

2.4 Chemicals

- (1) The following chemicals shall be stipulated.
 - Nitrogen, hydrogen, etc.
 - NaOH , H_2SO_4 , HCl , etc.
 - Inhibitors for corrosion, fouling, polymerization, etc.
 - Antifoamer
 - BFW additive
 - MEA, DEA, DIPA, etc.
 - Glycol, methanol, etc.
 - Refrigerant
 - Emulsion breaker, filter aids, etc.
 - PH control agent