

**Ammonium dichromate, moistened with 0,2 - 3% H<sub>2</sub>O, EssentQ®****Identification**

(NH<sub>4</sub>)<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>

M = 252,07 g/mol

CAS [7789-09-5]

EC number: 232-143-1

Taric code: 2841 50 00

**Synonyms**

Ammonium bichromate, Ammonium pyrochromate

**Applications**

photography, in explosive compositions, catalyst, in porcelain industry, analytical chemistry.

**Specifications**

assay (iodometric).....	min. 97 %	copper (Cu).....	max. 0,005 %
chlorides (Cl).....	max. 0,05 %	iron (Fe).....	max. 0,005 %
sulfates (SO <sub>4</sub> ).....	max. 0,05 %	lead (Pb).....	max. 0,01 %
calcium (Ca).....	max. 0,01 %	sodium (Na).....	max. 0,01 %
		loss on drying (105 °C).....	max. 3 %

**Physical data**

- Appearance: humid crystals, orange
- Spec. Density: 2,15 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 360 g/l
- Melting point: 180 °C (decomposes, explosion reaction)
- Ignition temperature: 218 °C
- pH(100 g/l H<sub>2</sub>O, 20 °C) 3,45

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H272: May intensify fire; oxidiser.
- H301: Toxic if swallowed.
- H330: Fatal if inhaled.
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H340: May cause genetic defects.
- H350: May cause cancer.
- H360FD: May damage fertility. May damage the unborn child.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H314: Causes severe skin burns and eye damage.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H312: Harmful in contact with skin.
- H317: May cause an allergic skin reaction.

**Precautionary Statements:**

- P221: Take any precaution to avoid mixing with combustibles.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P320: Specific treatment is urgent (see on this label).
- P370+P378: In case of fire: Use ... for extinction.
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 5.1 O2 II • UN 1439 • AMMONIUM DICHROMATE
- IMDG: 5.1 II • UN 1439 • AMMONIUM DICHROMATE
- IATA/ICAO: 5.1 II • UN 1439 • AMMONIUM DICHROMATE
- PAX: 508
- CAO: 511
- 10°C - 30°C