

Ammonium dichromate

Product Stewardship Summary

Chemical Name:	Ammonium dichromate
Synonyms:	NA
CAS Number:	7789-09-5
EC (EINECS) Number:	232-143-1
Revision number:	1-2026

- **Chemical identification and uses:** Ammonium dichromate is a bright orange red crystalline solid. It is readily ignited and burns producing a voluminous green residue. If heated in a closed container, the container may rupture due to the decomposition of the material. It may also act as a strong oxidizing agent if mixed with or contaminated with combustible material. It is reported to be used in photo engraving, dye mordants, pigments, oil purification, pickling, leather tanning, photography, process engraving, lithography, pyrotechnics, and glazes for porcelain and chinawares. It is also used as a nitrogen source and to make magnetic recording materials and in pyrotechnics, wood preserving, and lithography.
- **Potential exposures:** Exposure to Ammonium dichromate can occur in industrial/manufacturing facilities and/or during consumer use where the chemical solution is handled. Workers risk exposure primarily through inhalation and skin contact. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** It is highly toxic chemicals and reported to be a Germ cell mutagen and carcinogen. It is acutely toxic via oral, inhalation or dermal route. It is reported to skin corrosive and sensitizer (skin and respiratory). It can also cause damage to eye. It is considered to cause reproductive or developmental harm based on animal studies. A harm could be toxicity to the reproductive system, including defects in the progeny and/or injury to male or female reproductive function. It is also an oxidizer and may intensify the fire. One should refer to See the Safety Data Sheet (SDS) for additional information and any protective information.
- **Environmental Health hazards:** it is not toxic to aquatic life but is not readily biodegradable and should not be released into environment.
- Please contact us at PSCustomerCare@Solstice.com for more information.
Additional information may also be found at the following links:
[EPA – Ammonium dichromate](#)
[PubChem - Ammonium dichromate](#)

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.