

## *Sodium dichromate-2-hydrate*

### *Product Stewardship Summary*

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| Chemical Name:      | Sodium dichromate-2-hydrate  |
| Synonyms:           | Disodium dichromate dihydrate, Chromic acid (H <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> ), disodium salt, dihydrate |
| CAS Number:         | 7789-12-0  |
| EC (EINECS) Number: | 616-541-6  |
| Revision number:    | 1-2022   |

- **Chemical identification and uses:** Sodium dichromate-2-hydrate is reddish to bright orange solid with hygroscopic characteristics. It is deliquescent and soluble in water. It is used as an oxidizing agent (to make dyes, inks, and other chemicals), bleaching agent (fats, oils, sponges, and resins), tanning agent, and mordant in dyeing. It is also used in electric batteries, for refining petroleum, electro-engraving copper, in corrosion inhibitors and corrosion inhibiting paints, metal treatments, hardening gelatin, defoliation of cotton and other plants and shrubs.
- **Potential exposures:** Exposure to Sodium dichromate-2-hydrate can occur in industrial/manufacturing facilities and/or during use as laboratory chemicals in research settings. Good manufacturing and industrial hygiene practices for Sodium dichromate-2-hydrate should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** Sodium dichromate-2-hydrate is toxic if swallowed. It can cause severe skin burn and eye damage if comes in contact. It is also a strong oxidizer and can intensify the fire. It may cause genetic defects and may cause cancer. It may damage fertility or the unborn child, cause cancer or genetic defects. It causes damage to organs through prolonged or repeated exposure. One should refer to See the Safety Data Sheet (SDS) for additional information and any protective information.
- **Environmental Health hazards:** It has not been classified as persistent, bioaccumulative and toxic. However, it should not be released in water streams.
- Please contact us at [PMTPSCustomerCare@Honeywell.com](mailto:PMTPSCustomerCare@Honeywell.com) for more information. Additional information Sodium dichromate-2-hydrate may also be found at the following links:

Sodium dichromate-2-hydrate - [Pubchem](#)  
Sodium dichromate-2-hydrate- [EPA Comptox](#)



*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.*