



**Section 4. First Aid Measures**

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| <b>Eye Contact</b>          | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.  |
| <b>Skin Contact</b>         | Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.  |
| <b>Serious Skin Contact</b> | Not available.   |
| <b>Inhalation</b>           | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.   |
| <b>Serious Inhalation</b>   | Not available.   |
| <b>Ingestion</b>            | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. |
| <b>Serious Ingestion</b>    | Not available.   |

**Section 5. Fire and Explosion Data**

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| <b>Flammability of the Product</b>                         | Flammable.   |
| <b>Auto-Ignition Temperature</b>                           | 480°C (896°F)  |
| <b>Flash Points</b>  | Not available.   |
| <b>Flammable Limits</b>                                    | Not available.   |
| <b>Products of Combustion</b>                              | Not available.   |
| <b>Fire Hazards in Presence of Various Substances</b>      | Slightly flammable to flammable in presence of open flames and sparks, of heat, of oxidizing materials, of acids, of alkalis, of moisture.<br>Non-flammable in presence of shocks.   |
| <b>Explosion Hazards in Presence of Various Substances</b> | Risks of explosion of the product in presence of mechanical impact: Not available.<br>Risks of explosion of the product in presence of static discharge: Not available.<br>Slightly explosive in presence of moisture.   |
| <b>Fire Fighting Media and Instructions</b>                | Flammable solid.<br>SMALL FIRE: Use DRY chemical powder.<br>LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.   |
| <b>Special Remarks on Fire Hazards</b>                     | Zinc + NaOH causes ignition.<br>Oxidation of zinc by potassium proceeds with incandescence.<br>Residues from zinc dust /acetic acid reduction operations may ignite after long delay if discarded into waste bins with paper.<br>Incandescent reaction when Zinc and Arsenic or Tellurium, or Selenium are combined.<br>When hydrazine mononitrate is heated in contact with zinc, a flaming decomposition occurs at temperatures a little above its melting point.<br>Contact with acids and alkali hydroxides (sodium hydroxide, potassium hydroxide, calcium hydroxide, etc.) results in evolution of hydrogen with sufficient heat of reaction to ignite the hydrogen gas.<br>Zinc foil ignites if traces of moisture are present.<br>It is water reactive and produces flammable gases on contact with water. It may ignite on contact with water or moist air. |
| <b>Special Remarks on Explosion Hazards</b>                | Not available.   |

**Section 6. Accidental Release Measures**

**Small Spill**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill**

Flammable solid that, in contact with water, emits flammable gases.  
Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Cover with dry earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

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**Section 12. Ecological Information**

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| <b>Ecotoxicity</b>                                       | Not available.  |
| <b>BOD5 and COD</b>                                      | Not available.  |
| <b>Products of Biodegradation</b>                        | Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. |
| <b>Toxicity of the Products of Biodegradation</b>        | Not available.  |
| <b>Special Remarks on the Products of Biodegradation</b> | Not available.  |



