Material Safety Data Sheet
N-Iodosuccinimide MSDS

Section 1: Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>N-Iodosuccinimide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Codes:</td>
<td>10789</td>
</tr>
<tr>
<td>CAS#:</td>
<td>[516-12-1]</td>
</tr>
<tr>
<td>RTECS:</td>
<td>Not available</td>
</tr>
<tr>
<td>TSCA:</td>
<td>Not available</td>
</tr>
<tr>
<td>CI#:</td>
<td>Not available</td>
</tr>
<tr>
<td>Synonym:</td>
<td>NIS, Iodosuccinimide</td>
</tr>
<tr>
<td>Chemical Formula:</td>
<td>C4H4INO2</td>
</tr>
<tr>
<td>Contact Information:</td>
<td>Finar Limited</td>
</tr>
<tr>
<td></td>
<td>184-186/P, Chacharwadi Vasna,</td>
</tr>
<tr>
<td></td>
<td>Sarkhej-Bavla Highway,</td>
</tr>
<tr>
<td></td>
<td>Ta.: Sanand, Dist.: Ahmedabad,</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:info@finarchemicals.com">info@finarchemicals.com</a></td>
</tr>
<tr>
<td></td>
<td>Web: <a href="http://www.finarchemicals.com">www.finarchemicals.com</a></td>
</tr>
</tbody>
</table>

Section 2: Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Composition:</th>
<th>CAS #</th>
<th>% by Weight</th>
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</thead>
<tbody>
<tr>
<td>N-Iodosuccinimide</td>
<td>516-12-1</td>
<td>98%</td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients: Not available

Section 3: Hazards Identification

Potential Acute Health Effects: Harmful if ingested or inhaled. Minimize exposure to this material. Severe overexposure can result in injury or death. Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin Contact: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

### Section 5: Fire and Explosion Data

**Flammability of the Product:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Auto-Ignition Temperature:** Not applicable

**Flash Points:** Not applicable

**Flammable Limits:** Not applicable

**Products of Combustion:** Not applicable

**Fire Hazards in Presence of Various Substances:** Not applicable

**Explosion Hazards in Presence of Various Substances:** Not applicable

**Extinguishing Media:** Use agent most appropriate to extinguish fire. Do NOT get water inside containers. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Fire Fighting Media and Instructions:** Not applicable

**Special Remarks on Fire Hazards:** Not applicable

**Special Remarks on Explosion Hazards:** Not applicable

### Section 6: Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers.

### Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Store protected from light. Do not allow contact with water. Wash clothing before reuse. Keep from contact with moist air and steam.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Storage under a nitrogen blanket has been recommended. Store protected from moisture. Store protected from light.

### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits CAS# 516-12-1:**

**Personal Protective Equipment**

**Eyes:**
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:**
Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**
Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**
A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.
Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.
Odor: Not available.
Taste: Not available.
Molecular Weight: 244.99 g/mole
Color: off-white - beige powder
pH (1% soln/water): Not applicable.
Boiling Point: Not available.
Melting Point: Decomposition temperature: 197°C
Critical Temperature: Not available.
Specific Gravity: Not available.
Vapor Pressure: Not applicable.
Vapor Density: Not available.
Odor Threshold: Not available.
Water/Oil Dist. Coeff.: Not available.
Ionicity (in Water): Not available.
Dispersion Properties: Not available.
Solubility: decomposes in water.

Section 10: Stability and Reactivity Data

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.
Instability Temperature: Not available.
Conditions of Instability: Moisture
Incompatibility with various substances: Not available.
Corrosivity: Corrosive in presence of Carbon monoxide, oxides of nitrogen, irritating and toxic fumes and gases, carbon dioxide.
Special Remarks on Reactivity: Not available.
Polymerization: Will not occur.

Section 11: Toxicological Information

RTECS#: 
CAS# 516-12-1: WN2817000
LD50/LC50: Not available.
Carcinogenicity:
CAS# 516-12-1: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: No information found
Neurotoxicity: No information found

Section 12: Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: Not available.
Toxicity of the Products of Biodegradation: Not available.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal: Dispose of in a manner consistent with federal, state, and local regulations
### Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

### Section 15: Other Regulatory Information

**European/International Regulations**

**European Labeling in Accordance with EC Directives**

**Hazard Symbols:** XI

**Risk Phrases:**
- R 36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrases:**
- S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S 28A After contact with skin, wash immediately with plenty of water.
- S 37 Wear suitable gloves.
- S 37/39 Wear suitable gloves and eye/face protection.
- S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**WGK (Water Danger/Protection)**

**CAS# 516-12-1:** No information available.

### Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 10/06/2010

**Last Updated:** 24/11/2012

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