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Material Safety Data Sheet (MSDS)

Section 1: Chemical Product and Company Identification	
Product Name	Sodium Di(Isobutyl)Dithiophosphinate, 50% in water
CAS Number	13360-78-6
Chemical Formula	C ₈ H ₁₈ NaPS ₂
Company Name	CAMACHEM (Part of CAMAL Group) 3F Jinlong East Beijing Station Road Chaoyang District, Beijing, China
Contact	sales@camachem.com
Company Website	www.camachem.com
Section 2: Composition and Information on Ingredients	
Name	Sodium Di(Isobutyl)Dithiophosphinate, 50% in water
CAS #	13360-78-6
% by Weight	>45
Section 3: Hazards Identification	
Classification (GHS-US):	Skin Corr. 1A H314 Eye Dam. 1 H318 Full text of H-phrases: see section 16
Other hazards:	No additional information available.
Section 4: First Aid Measures	
Measures General:	Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.
Eye Contact:	Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
Skin Contact:	Wash with plenty of soap and water. Get medical advice/attention.

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Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
Ingestion:	Never give anything by mouth to an unconscious person. Get medical advice/attention.
Section 5: Fire and Explosion Data	
Suitable extinguishing media:	Not combustible.
Unsuitable extinguishing media:	None known.
Fire hazard:	None known.
Explosion hazard:	None known.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.
Section 6: Accidental Release Measures	
For non-emergency personnel:	Emergency procedures: Evacuate unnecessary personnel.
For emergency responders:	Protective equipment: Equip cleanup crew with proper protection.
Environmental precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods and material for containment and cleaning up:	Methods for cleaning up: Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.
Section 7: Handling and Storage	
For non-emergency personnel:	Emergency procedures: Evacuate unnecessary personnel.
For emergency responders:	Protective equipment: Equip cleanup crew with proper protection.
Storage:	Keep container tightly closed.
Section 8: Exposure Controls/Personal Protection	
Appropriate engineering controls:	Provide local exhaust or general room ventilation.
Personal protective equipment:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection:	Neoprene or nitrile rubber gloves.
Eyes/Face Protection:	Chemical goggles. Contact lenses should not be worn.

Skin Protection:	Wear suitable protective clothing.
Respiratory protection:	Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified combination organic vapor - amine gas (brown cartridge) respirator.

Section 9: Physical and Chemical Properties

Physical state and appearance:	Clear liquid.
Taste:	Not available.
Molecular Weight:	232.31g/mol
Color:	Yellowish.
pH (1% soln/water):	> 12
Freezing point:	< 0 °C
Boiling Point:	100 °C - initial (water)
Melting Point:	Not available.
Auto-ignition temperature Temperature:	437 °C
Specific Gravity:	1.14
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Flash Point & Method:	> 100 °C

Section 10: Stability and Reactivity Data

Stability:	Stable.
Instability Temperature:	Not available.
Conditions of Instability:	Not available.
Incompatibility with various substances:	Carbon dioxide. Phosphorus oxides. Sulfur.
Reactivity Data:	Not available.
Polymerization:	Will not occur.

Section 11: Toxicological Information

Information on toxicological effects:	Acute toxicity: Not classified
Water (7732-18-5):	LD50 oral rat > 90 ml/kg
Sodium diisobutylidithiophosphinate (13360-78-6):	LD50 oral rat 3350 mg/kg ATE US (oral) 3350.000 mg/kg body weight
Skin corrosion/irritation:	Causes severe skin burns and eye damage. pH: > 12
Serious eye damage/irritation:	Causes serious eye damage. pH: > 12

Section 12: Ecological Information

No additional information available.

Section 13: Disposal Considerations	
Waste Disposal:	Landfill. Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials:	Avoid release to the environment.
Section 14: Transport Information	
IMDG:	Not regulated.
UN proper shipping name:	Not regulated.
Section 15: Other Regulatory Information	
Water (7732-18-5):	<p>Listed on the AICS (Australian Inventory of Chemical Substances)</p> <p>Listed on the Canadian DSL (Domestic Substances List)</p> <p>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)</p> <p>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</p> <p>Listed on the Korean ECL (Existing Chemicals List)</p> <p>Listed on NZIoC (New Zealand Inventory of Chemicals)</p> <p>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)</p>
Sodium diisobutyldithiophosphinate (13360-78-6):	<p>Listed on the AICS (Australian Inventory of Chemical Substances)</p> <p>Listed on the Canadian DSL (Domestic Substances List)</p> <p>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)</p> <p>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</p> <p>Listed on the Korean ECL (Existing Chemicals List)</p> <p>Listed on NZIoC (New Zealand Inventory of Chemicals)</p> <p>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)</p>
Section 16: Other Information	
References:	None.



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Other Special Considerations:	None.
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