

# Paushak Limited

## Safety Data Sheet

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : Bis (4-nitrophenyl) Carbonate  
CAS No. : 5070-13-3  
Company : Paushak Limited  
At: Panelav, PO:Tajpura, Taluka: Halol  
Distirict: Panchmahals - 389350  
Gujarat, INDIA.  
Telephone : +91 2676 664403 / 664412  
Emergency Phone # : +91 9909985374

### 2. HAZARDS IDENTIFICATION

**OSHA Haz Com: CFR 1910.1200:** Skin Corrosion/Irritation [Category 2]  
Eye Damage/Irritation [Category 2A]

**Signal word:** Warning  
**Hazard Statement(s):** **H315:** Causes skin irritation.  
**H319:** Causes serious eye irritation.

**Pictogram(s) or Symbol(s):**



**Precautionary Statement(s):**

**P264:** Wash hands and face thoroughly after handling.  
**P280:** Wear protective gloves, eye protection.  
**P302+P352+P332+P313+P362+P364:** If on skin; Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.  
**P305+P351+P338+P337+P313:** If in eyes; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**Hazards not otherwise classified:** No data available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** Substance  
**Components:** Bis(4-nitrophenyl) Carbonate  
**Percent:** >97.0%(HPLC)  
**CAS Number:** 5070-13-3  
**Molecular Weight:** 304.21  
**Chemical Formula:** C<sub>13</sub>H<sub>8</sub>N<sub>2</sub>O<sub>7</sub>  
**Synonyms:** Carbonic Acid Bis (4-nitrophenyl) Ester  
**CA Index:** No data available

### 4. FIRST AID MEASURES

**Inhalation:** Call a poison center or doctor if you feel unwell. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Skin contact:** If skin irritation occurs get medical advice/attention. Remove and wash contaminated clothing before reuse. In case of contact with substance,

**Product Name:** Bis (4-nitrophenyl) Carbonate

**Revision Date:** 16.01.2024

**Revision No:** 02

Material Safety Data Sheet

<p><b>Eye contact:</b></p> <p><b>Ingestion:</b></p> <p><b>Most important symptoms and effects:</b></p> <p style="padding-left: 40px;"><b>Acute:</b></p> <p style="padding-left: 40px;"><b>Delayed:</b></p> <p><b>Immediate medical attention:</b></p> <p><b>Protection of first-aiders:</b></p>	<p>immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.</p> <p>IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Contact with material may irritate or burn eyes. Call emergency medical service. Move victim to fresh air. Check for and remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.</p> <p>Do not induce vomiting without medical advice. If swallowed, seek medical advice immediately and show the container or label. Do not use mouth-to-mouth methods if victim ingested the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not re enter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.</p> <p>Redness.</p> <p>No data available</p> <p>If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.</p> <p>No data available</p>
<b>5. FIRE-FIGHTING MEASURES</b>	
<p><b>Suitable extinguishing media:</b></p> <p><b>Unsuitable extinguishing media for safety reasons:</b></p> <p><b>Special hazards arising from the substance or mixture:</b></p> <p><b>Hazardous combustion products:</b></p> <p><b>Other specific hazards:</b></p> <p><b>Special precautions for fire-fighters:</b></p> <p><b>Special protective equipment for fire-fighters:</b></p>	<p>Dry chemical, CO<sub>2</sub>, sand, earth, water spray or regular foam Consult with local fire authorities before attempting large scale fire fighting operations.</p> <p>No data available</p> <p>These products include: Carbon oxides Nitrogen oxides</p> <p>Closed containers may explode from heat of a fire.</p> <p>Use water spray or fog; do not use straight streams. Dike fire-control water for later disposal; do not scatter the material. Containers may explode when heated. Move containers from fire area if you can do it without risk.</p> <p>Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.</p>
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<p><b>Personal precautions:</b></p> <p><b>Personal protective equipment:</b></p>	<p>Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8). Warn unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.</p> <p>Wear eye protection (splash goggles) and face protection (full length face shield). Lab coat. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear protective gloves (nitrile).</p>

<b>Emergency procedures:</b>	Prevent dust cloud. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Warn personnel to move away. Prevent entry into sewers, basements or confined areas; dike if needed.
<b>Methods and materials for containment and cleaning up:</b>	ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material.
<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.
<b>Prevention of secondary hazards:</b>	No data available
<b>7. HANDLING AND STORAGE</b>	
<b>Precautions for safe handling:</b>	Avoid inhalation of vapor or mist. Avoid contact with skin and eyes. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.
<b>Conditions for safe storage:</b>	Keep only in the original container in a cool well-ventilated place. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods. Store under inert gas (e.g. Argon). Moisture sensitive.
<b>Storage incompatibilities:</b>	Store away from oxidizing agents
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>Exposure limits:</b>	No data available
<b>Exposure controls</b>	No data available
<b>Appropriate engineering controls:</b>	Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.
<b>Personal protective equipment</b>	
<b>Respiratory protection:</b>	Dust respirator. Be sure to use a approved respirator or equivalent.
<b>Hand protection:</b>	Nitrile gloves.
<b>Eye protection:</b>	Safety glasses.
<b>Skin and body protection:</b>	Lab coat.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Physical state (20°C):</b>	Solid
<b>Form:</b>	Crystal - Powder
<b>Color:</b>	Very pale yellow - Pale yellow
<b>Odor:</b>	No data available
<b>Odor threshold:</b>	No data available
<b>Melting point/freezing point:</b>	142°C (288°F)
<b>Boiling point/range:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Density:</b>	No data available
<b>Relative density:</b>	No data available
<b>Partition coefficient: n-octanol/water (log Pow)</b>	No data available
<b>Flash point:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available

**Product Name:** Bis (4-nitrophenyl) Carbonate

**Revision Date:** 16.01.2024

**Revision No:** 02

Material Safety Data Sheet

<b>pH:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Dynamic Viscosity:</b>	No data available
<b>Evaporation rate:</b> (Butyl Acetate = 1)	No data available
<b>Autoignition temperature:</b>	No data available
<b>Flammability or explosive limits:</b>	
<b>Lower:</b>	No data available
<b>Upper:</b>	No data available
<b>Solubility(ies):</b>	<b>Water:</b> Insoluble, <b>Soluble:</b> Acetonitrile
<b>Viscosity, kinematic:</b>	No data available
<b>10. STABILITY AND REACTIVITY</b>	
<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Moisture sensitive.
<b>Possibility of Hazardous Reactions:</b>	No hazardous reactivity has been reported.
<b>Conditions to avoid:</b>	Exposure to moisture. Moisture sensitive.
<b>Incompatible materials:</b>	Oxidizing agents
<b>Hazardous Decomposition Products:</b>	No data available
<b>11. TOXICOLOGICAL INFORMATION</b>	
<b>Acute Toxicity:</b>	No data available
<b>Skin corrosion/irritation:</b>	No data available
<b>Serious eye damage/irritation:</b>	No data available
<b>Chronic Toxicity/Effects:</b>	No data available
<b>Respiratory or skin sensitization:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Reproductive toxicity:</b>	No data available
<b>IARC:</b>	No data available
<b>NTP:</b>	No data available
<b>OSHA:</b>	No data available
<b>Routes of Exposure:</b>	Inhalation, Eye contact, Ingestion, Skin contact.
<b>Symptoms related to exposure:</b>	
Skin contact may result in inflammation; characterized by itching, scaling, reddening, or occasionally blistering. Skin contact may result in redness, pain or dry skin. Eye contact may result in redness or pain.	
<b>Potential Health Effects:</b>	Skin and eye contact may result in irritation.
<b>Target organ(s):</b>	No data available
<b>12. ECOLOGICAL INFORMATION</b>	
<b>Ecotoxicity</b>	
<b>Fish:</b>	No data available
<b>Aquatic invertebrates:</b>	No data available
<b>Aquatic plants:</b>	No data available
<b>Chronic toxicity to fish:</b>	No data available
<b>Chronic toxicity to aquatic invertebrates:</b>	No data available
<b>Crustacea:</b>	No data available
<b>Algae:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulative potential (BCF):</b>	No data available

<b>Mobility in soil: Results of PBT and vPvB assessment:</b>	No data available
<b>13. DISPOSAL CONSIDERATIONS</b>	
<b>Disposal of product:</b>	Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. Local guidelines for Identification and Listing of Hazardous Waste are listed in local rules. The product should not be allowed to enter the environment, drains, water ways, or the soil.
<b>Disposal of container:</b>	Dispose of as unused product. Do not re-use empty containers.
<b>Other considerations:</b>	Observe all federal, state and local regulations when disposing of the substance.
<b>14. TRANSPORT INFORMATION</b>	
<b>DOT (US)</b>	
<b>UN number:</b>	<b>Proper Shipping Name:</b>
	<b>Class or Division:</b>
	<b>Subrisk(s):</b>
	<b>Packing Group:</b>
	No data available
<b>IATA</b>	
<b>UN number:</b>	<b>Proper Shipping Name:</b>
	<b>Class or Division:</b>
	<b>Subrisk(s):</b>
	<b>Packing Group:</b>
	No data available
<b>IMDG</b>	
<b>UN number:</b>	<b>Proper Shipping Name:</b>
	<b>Class or Division:</b>
	<b>Subrisk(s):</b>
	<b>Packing Group:</b>
	No data available
<b>EmS number:</b>	No data available
<b>15. REGULATORY INFORMATION</b>	
<b>Toxic Substance Control Act (TSCA 8b.):</b>	
This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.	
<b>US Federal Regulations</b>	
<b>CERCLA Hazardous substance and Reportable Quantity:</b>	
<b>SARA 313:</b>	Not Listed
<b>SARA 302:</b>	Not Listed
<b>State Regulations</b>	
<b>Massachusetts</b>	Not Listed
<b>New Jersey</b>	Not Listed
<b>Pennsylvania</b>	Not Listed
<b>California Proposition 65:</b>	Not Listed
<b>Other Information</b>	
<b>NFPA Rating:</b>	<b>HMIS Classification:</b>
<b>Health:</b>	<b>Health:</b>
<b>Flammability:</b>	<b>Flammability:</b>
<b>Instability:</b>	<b>Instability:</b>
<b>International Inventories</b>	
<b>WHMIS hazard class:</b>	No data available
<b>16. OTHER INFORMATION</b>	
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for technically qualified personnel. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Paushak Ltd. extends no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any third party use & shall not be held liable for any damage resulting from handling or from contact with the above product.	