

# **MATERIAL SAFETY DATA SHEET**

**BGP HEALTHCARE PRIVATE LIMITED., ANKLESHWAR**

**Material Safety Data Sheet (MSDS) as per the requirements of the REACH regulation (EC) No 1907/2006**

SDS No: 08

Revision date: 19.08.2010

Date of issue of the SDS: 10.09.2010

Sr. No.	Title of the section	Information required in this section
1.	<b>Identification of the substance /preparation &amp; of the company/ undertaking</b>	
1.1	Identification of the substance or preparation	<b>1.1.1 Substance name:</b> nicotine dihydrogen ditartrate <b>1.1.2 EC No.:</b> 200-607-2 <b>1.1.3 REACH Registration No.:</b> 17-2119382437-31-0000 (pre-registration no.) <b>1.1.4 CAS No.:</b> 65-31-6 <b>1.1.5 Index No. :</b> 614-002-00-X
1.2	Use of the substance/ preparation	<b>1.2.1 Relevant identified uses:</b> <ul style="list-style-type: none"> <li>Used for laboratory tests and assays.</li> <li>Active ingredient used in antismoking therapy products such as lozenges, aerosols or disintegrable oral films.</li> </ul>
1.3	Company/ under - taking identification	<b>Contact Person :</b> Mr. Jayesh Patel  <b>Manufacturing site address:</b> M/s. BGP Healthcare Pvt. Ltd. Plot No-3707, GIDC, Ankleshwar (Gujarat) State: Gujarat, INDIA-393002. <b>Telephone number:</b> +91-2646-651287 / +91-98250-73320 <b>Fax number :</b> +91-2646-227375 <b>e-mail :</b> <a href="mailto:jbpatel@bgpgroup.biz">jbpatel@bgpgroup.biz</a>
1.4	Emergency telephone	<b>Emergency telephone number :</b> +91-9825073320 <b>Other comments (e.g. language(s) of the phone service):</b> English
2.	<b>Hazard Identification</b>	<b><u>2.1 Classification of the substance</u></b>  <b>2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]</b> <ul style="list-style-type: none"> <li>Acute Toxicity Cat. 1 Dermal</li> <li>Acute Toxicity Cat. 2 Oral</li> <li>Acute Toxicity Cat. 2 Inhalation</li> <li>STOT Cat. 3 (central nervous system)</li> <li>Reproductive Toxicity Cat. 2</li> <li>Aquatic Chronic 2</li> </ul> <b>2.1.2. Classification according to Directive 67/548/EEC</b> <ul style="list-style-type: none"> <li>T+; N</li> <li>R: 26/27/28-51/53</li> <li>S: (1/2-)13-28-45-61</li> </ul>

**2.2: Label elements : Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

**2.2.1 Hazard pictograms**



**2.2.2 Signal word – Danger**

**2.2.3 Hazard statements**

- H330: Fatal if Inhaled
- H310: Fatal in contact with skin
- H300: Fatal if swallowed
- H336: May cause drowsiness or dizziness
- H361: Suspected of damaging fertility or the unborn child
- H411: Toxic to aquatic life with long lasting effects

**2.2.4 Precautionary statements**

- P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water.
- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P308 + P313 IF exposed or concerned: Get medical advice/attention.
- P273 Avoid release to the environment.
- P501 – Dispose of contents/container in accordance with local/regional/national/international regulation **(to be specified by the company)**

**Additional information (Only 6 statements need to appear on the label)**

- P260 Do not breathe dust/fume/ gas/mist/vapours/spray. (Manufacturer/supplier to specify applicable conditions. Specify do not breathe dusts or mists. — if inhalable particles of dusts or mists may occur during use.)
- P271 Use only outdoors or in a well-ventilated area.
- P284 Wear respiratory protection. (Manufacturer/supplier to specify equipment.)
- P310 Immediately call a POISON CENTER or doctor/physician.
- P320 Specific treatment is urgent (see ... on this label). (... Reference to supplemental first aid instruction. — if immediate administration of antidote is required.)
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash ... thoroughly after handling. (Manufacturer/supplier to specify parts of the body to be washed after handling.)
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves/protective clothing/eye protection/ face protection.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P322 Specific measures (see ...on this label). (... Reference to supplemental first aid instruction. — if immediate measures such as specific cleansing agent

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		<p>is advised.)</p> <ul style="list-style-type: none"> <li>• P361 Remove/Take off immediately all contaminated clothing.</li> <li>• P363 Wash contaminated clothing before reuse.</li> <li>• P405 Store locked up</li> <li>• P321 Specific treatment (see ... on this label). (... Reference to supplemental first aid instruction. — if immediate administration of antidote is required.)</li> <li>• P330 Rinse mouth.</li> <li>• P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.</li> <li>• P271 Use only outdoors or in a well-ventilated area.</li> <li>• P312 Call a POISON CENTER or doctor/physician if you feel unwell.</li> <li>• P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</li> <li>• P201 Obtain special instructions before use.</li> <li>• P202 Do not handle until all safety precautions have been read and understood.</li> <li>• P281 Use personal protective equipment as required.</li> <li>• P391 Collect spillage.</li> </ul>
<b>3.</b>	<b>Composition /Information on Ingredients</b>	
3.1	Composition	<p>Chemical Formula : C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>.2C<sub>4</sub>H<sub>6</sub>O<sub>6</sub>  Molecular weight : 462.2AMU  Chemical name : nicotine dihydrogen ditartrate  CAS no. : 65-31-6  EC. No. : 200-607-2  % concentration : Nicotine 31.9 % to 33.2 %  Water : 6.9 % to 7.6 %  Tartaric acid : 59.5 % to 60.5 %</p>
3.2.	Classification as per the DSD directive	<p><b>Classification :</b>  T+; N  R: 26/27/28-51/53  S: (1/2-)13-28-45-61  <b>Symbol Letter:</b> T, N  <b>R phrase:</b> R26/27/28; R51/53</p>
3.3		<p><b>Name of the substance :</b> nicotine dihydrogen ditartrate  <b>Registration number as in DSD directive:</b> Not available</p>

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<b>4.</b>	<b>First Aid Measures</b>	
<b>4.1</b>	<b>Description of first measures</b>	<p>- <b>General notes:</b> Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.</p> <p>- <b>Inhalation:</b> Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.</p> <p>- <b>Skin contact:</b> Wash with plenty of water. Remove contaminated clothing and shoes. Call a physician.</p> <p>- <b>Eye contact:</b> Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician</p> <p>- <b>Ingestion:</b> Wash out mouth with water provided person is conscious. Call a physician immediately.</p>
<b>4.2</b>	<b>Important symptoms &amp; effects</b>	<p>Inhalation: Choking, drowsiness, respiratory disorders                      Eye contact: Irritation, redness.                      Body contact: irritation, itching, redness.                      Ingestion : Nausea, abdominal pain</p>
<b>4.3</b>	<b>Immediate medical attention</b>	<b>Notes for the doctor:</b> Treat symptomatically and systematically
<b>5.</b>	<b>Fire Fighting Measures</b>	
<b>5.1</b>	<b>suitable extinguishing media</b>	Use water supply, carbon dioxide, dry chemical powder to minimize fire.
	<b>unsuitable extinguishing media</b>	Extinguishing media should not contain any oxidizing substance.
<b>5.2</b>	<b>Special hazard arising from the substance</b>	Emits toxic fumes under fire conditions.
<b>5.3</b>	<b>Advice for firefighters</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<b>6.</b>	<b>Accidental Release Measures</b>	
<b>6.1</b>	<b>Personal precautions, protective equipment and emergency procedures</b>	<p><b>6.1.1 For non-emergency personnel</b></p> <ul style="list-style-type: none"> <li>➤ <b>Protective equipment:</b> Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.</li> <li>➤ <b>Emergency procedures:</b> Use water spray to reduce vapors</li> <li>➤ <b>Removal of ignition sources:</b> Switch off electrical equipment and any other sources of ignition.</li> <li>➤ <b>Provision of sufficient ventilation:</b> Ventilate area and wash spill site after material pickup is complete.</li> <li>➤ <b>Control of dust:</b> Avoid raising dust/mist</li> </ul>

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6.2	<b>Environmental precautions</b>	Keep away from drains, surface- and groundwater and soil.
6.3	<b>Methods and material for containment and cleaning up</b>	<p><b>6.3.1 Containment technique:</b></p> <p>(a) <u>Bunding, covering of drains</u>: The drains should be properly covered to avoid the entry of the spills into the sewers.</p> <p>(b) <u>Capping procedures</u>: Keep the containers tightly capped.</p> <p><b>6.3.2 Cleaning up:</b></p> <p>(a) <u>Cleaning techniques</u>: Sweep up and collect residues manually, by wiping with a small quantity of water, place in a bag and hold for waste disposal.</p> <p>(b) <u>equipment required for containment/clean-up</u>: cleaning requires water</p>
6.4	<b>Reference to other section</b>	Refer to section 8 and 13 for further information about personal protection equipment and disposal considerations.
<b>7. Handling and Storage</b>		
7.1.	<b>Precautions for safe handling</b>	<p><b><u>7.1.1. Recommendations shall be specified to:</u></b></p> <p>(a) <b>Allow safe handling of the substance:</b> Do not breathe dust. Do not allow to get into eyes, on skin and on clothing. Avoid prolonged or repeated exposure.</p> <p>(b) <b>Prevent handling of incompatible substances:</b> Avoid contact with CO<sub>x</sub>, NO<sub>x</sub> and other noxious gases or vapours as they create incomplete combustion.</p> <p>(c) <b>Reduce the release of the substance to the environment:</b> Avoid spill into drains, surface and groundwater and soil.</p> <p><b><u>7.1.2. Advice on general occupational hygiene shall be provided:</u></b></p> <ul style="list-style-type: none"> <li>• Do not take work clothing home.</li> <li>• Shower after work is recommended.</li> <li>• Avoid skin contact by wearing long sleeved shirt, gloves and trousers for routine product handling</li> </ul> <p>(a) <b>How to manage risks associated with:</b></p> <p>(i) <u>Incompatible substances or mixtures</u>: Avoid contact with CO<sub>x</sub>, NO<sub>x</sub> and other noxious gases or vapours as they create incomplete combustion.</p> <p>(ii) <u>Evaporative conditions</u>: Keep away from heat. Avoid contact with high temperatures.</p> <p>(iii) <u>Potential ignition sources</u>: Keep away from sources of ignition.</p>

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7.2	Conditions for safe storage, including any incompatibilities	<p><b>(b) How to control the effects of:</b></p> <p><u>(i) Weather conditions:</u> To be stored in tightly closed containers and cool place.</p> <p><u>(ii) Temperature:</u> Keep away from high temperature. Do not store above 25°C.</p> <p><u>(iii) Sunlight:</u> Keep protected from heat and direct sunlight.</p> <p><u>(iv) Humidity:</u> Keep protected from light, humidity and oxygen at about 2-8 °C.</p> <p><b>(c) How to maintain the integrity of the substance or mixture by the use of:</b></p> <p><u>(i) stabilisers:</u> Not Available</p> <p><u>(ii) antioxidants:</u> Not Available</p> <p><b>(d) Other advice including:</b></p> <p>(i) Ventilation requirements: provide adequate ventilation.</p> <p>(ii) Specific designs for storage rooms or vessels: local or exhaust ventilation to keep dust formation low.</p> <p>(iii) quantity limits under storage conditions: not relevant</p> <p>(iv) Packaging compatibilities: Use material that does not absorb moisture</p>
7.3	Specific uses	<p><b>Recommendations:</b> Used for laboratory tests and assays.</p> <p><b>Industrial sector specific solutions:</b> Active ingredient used in antismoking therapy products such as lozenges, aerosols or disintegrable oral films.</p>
<b>8. Exposure Controls / Personal Protection</b>		
8.1.	Control parameters	Exposure limit values are to be provided as per the member states
8.2.	Exposure controls	<p><b>Exposure scenario:</b> The Chemical Safety Report of this substance will be available after Registration.</p> <p><b>Substance registered as an isolated intermediate (on-site or transported):</b> This substance qualifies as Transported isolated intermediate.</p>
8.2.1.	Appropriate engineering controls	<ul style="list-style-type: none"> <li>• Safety shower and eye bath.</li> <li>• Use only in a chemical fume hood.</li> <li>• Engineering controls should be provided which maintain airborne concentrations as low as practicable</li> </ul>
8.2.2.	Individual protection measures	<p><b>(a) Eye / face protection:</b> wear chemical safety goggles.</p> <p><b>(b) Skin protection:</b></p> <p><u>(i) Hand protection:</u> wear compatible chemical-resistant gloves.</p> <p><u>(ii) Other:</u> wear boots, apron or other light protective clothing</p> <p><b>(c) Respiratory protection:</b> Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type NI00 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.</p>

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8.2.3.	<b>Environmental exposure controls</b>	<b>Commitments under Community environmental protection legislation:</b> The Chemical Safety Report of this substance will be available after Registration.
9.	<b>Physical &amp; Chemical Properties</b>	
9.1.	<b>Information on basic physical and chemical properties</b>	<p>(a) Appearance: white solid, lustrous crystalline powder</p> <p>(b) Odour: not available</p> <p>(c) Odour threshold: not available</p> <p>(d) pH: 3 to 3.4 (10% aq. solution)</p> <p>(e) Melting point/freezing point: 98 deg C</p> <p>(f) Initial boiling point and boiling range: 751.6 °C at 760 mmHg</p> <p>(g) Flash point: 408.3 °C</p> <p>(h) Evaporation rate: not available</p> <p>(i) Flammability (solid, gas): may be combustible at high temperature</p> <p>(j) Upper/lower flammability or explosive limits: not available</p> <p>(k) Vapour pressure : <math>9.89 \times 10^{-24}</math> mmHg at 25°C</p> <p>(l) Vapour density : not available</p> <p>(m) Relative density: not available</p> <p>(n) Solubility(ies): In water <math>\geq 10\%</math> to give clear solution In methanol <math>\geq 5\%</math> to give clear solution</p> <p>(o) Partition coefficient: n-octanol/water: not available</p> <p>(p) Auto-ignition temperature: 244 deg C</p> <p>(q) Decomposition temperature: not available</p> <p>(r) Viscosity: not available</p> <p>(s) Explosive properties: not available</p> <p>(t) Oxidising properties: not available</p>
10.	<b>Stability and Reactivity</b>	<p><b>10.1 Reactivity:</b> Reacts instantaneously strong oxidizing agents, heat and humidity</p> <p><b>10.2 Chemical stability:</b> Stable under recommended conditions of use</p> <p><b>10.3 Possibility of hazardous reactions:</b> Hazardous polymerization: will not occur</p> <p><b>10.4 Conditions to avoid:</b> Avoid contact with air, humidity, light, heat, and ignition.</p> <p><b>10.5 Incompatible materials:</b> Strong oxidizing agents.</p> <p><b>10.6 Hazardous decomposition products:</b> Decomposition will yield carbon monoxide, carbon dioxide, nitrogen oxides.</p>

11.	<b>Toxicological Information</b>
N.A. : Not Applicable	
<p><b>BGP HEALTHCARE PRIVATE LIMITED.</b> <span style="float: right;"><b>MSDS-008/REV.No.-01</b> <b>Page No. 7 of 11</b></span></p>	



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		<p><b><u>11.1.7. Delayed and immediate effects as well as chronic effects from short and long-term exposure</u></b></p> <p><b>EFFECTS OF SHORT-TERM EXPOSURE:</b> The substance irritates the eyes and the skin. The substance may cause effects on the central nervous system, resulting in convulsions and respiratory failure. Exposure at high concentrations may result in death. The effects may be delayed.</p> <p><b>EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:</b> Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer. Animal tests show that this substance possibly causes toxic effects upon human reproduction.</p>
		<p><b><u>11.1.8 Absence of specific data</u></b></p> <p>(a) Acute Toxicity: Inhalation: This data will be available after registration if provided by the Lead registrant.</p> <p>(b) STOT Cat. 3 (central nervous system): This data will be available after registration if provided by the Lead registrant.</p>
<b>12.</b>	<b>Ecological Information</b>	
<b>12.1.</b>	<b>Toxicity</b>	LC50 (Fish-96h): 4 mg/l EC50 (Daphnia-48h): 0.24 mg/l
<b>12.2.</b>	<b>Persistence and degradability</b>	<p><b>Products of Biodegradation:</b> Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.</p> <p><b>Toxicity of the Products of Biodegradation:</b> The products of degradation are less toxic than the product itself.</p>
<b>12.3.</b>	<b>Bioaccumulative potential</b>	Log Pow: 1.17. (Risk of redistribution into fats is low)
<b>12.4.</b>	<b>Mobility in soil</b>	Not determined
<b>12.5.</b>	<b>Results of PBT and vPvB assessment</b>	TO BE PROVIDED IN THE REGISTRATION DOSSIER
<b>12.6.</b>	<b>Other adverse effects</b>	Environmental fate (exposure): Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>13.</b>	<b>Disposal Considerations</b>	
<b>13.1</b>	<b>Waste treatment methods</b>	<p><b>(a) Waste treatment containers and methods:</b> Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.</p> <p><b>(b) Physical/chemical properties:</b> Avoid contact with strong oxidants as the substance reacts violently with them.</p> <p><b>(c) Sewage disposal:</b> Avoid release to the environment. Do not wash away into sewer.</p>

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13.2	<b>Additional information:</b>	<ul style="list-style-type: none"> <li>• Contact a licensed professional waste disposal service to dispose of this material.</li> <li>• Observe all federal, state, and local environmental regulations.</li> </ul>
14.	<b>Transport Information</b> (Information includes RID, ADR, AND, ICAO, IMDG, IATA-DGR)	<p><b>14.1. UN number :</b> 1659</p> <p><b>14.2. UN proper shipping name :</b> Nicotine tartrate</p> <p><b>14.3. Transport hazard class(es):</b> 6.1</p> <p><b>14.4. Packing group :</b> II</p> <p><b>14.5. Environmental hazards:</b> This substance is toxic to aquatic life with long lasting effects.</p> <p><b>14.6. Special precautions for user:</b> Handle the substance protected from humidity and oxygen/air.</p> <p><b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :</b> Not available</p>
15.	<b>Regulatory Information</b>	<p><b>15.1 Safety, health and environmental regulations/legislation specific EU regulations</b></p> <ul style="list-style-type: none"> <li>• Authorizations: The substance is not listed for Authorization</li> <li>• Restrictions on use: Not applicable</li> <li>• Other EU regulations: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006</li> <li>• Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC39 guideline) : Not available</li> <li>• National regulations 1 (Germany): Not available</li> <li>• Restrictions of occupation: Not applicable</li> <li>• Other regulations, restrictions and prohibition regulations: Not available</li> </ul> <p><b>15.2 Chemical Safety Assessment:</b> The Chemical Safety Report of this substance will be available after Registration.</p>
16.	<b>Other Information</b>	<p><b>16.1 Indication of changes:</b></p> <ul style="list-style-type: none"> <li>• Section 2 : Hazard Identification – Changes in classification and Labelling</li> <li>• Section 4 : First-aid measures</li> <li>• Section 5 : Fire-fighting measures</li> <li>• Section 6 : Accidental Release Measures</li> <li>• Section 7 : Handling and Storage</li> <li>• Section 8 : Exposure Controls / Personal Protection</li> <li>• Section 9 : Physical and Chemical Properties</li> <li>• Section 10 : Stability and Reactivity</li> <li>• Section 11 : Toxicological Information</li> <li>• Section 12 : Ecological Information</li> <li>• Section 13 : Disposal Considerations</li> </ul>

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	<p><b>16.2 Abbreviations and acronyms:</b></p> <ul style="list-style-type: none"><li>• EC: European Commission</li><li>• CLP: Classification Labelling and Packaging</li><li>• GHS: Globally harmonized system on classification and labelling</li><li>• DSD: Dangerous Substance directive</li><li>• DCP: NOT AVAILABLE</li><li>• EWC: European Waste Catalogue</li><li>• AVV: Waste codes according to the waste catalogue ordinance</li><li>• PVC: NOT AVAILABLE</li><li>• ADR: European agreement concerning the International Carriage of Dangerous Goods by Road</li><li>• RID: European agreement concerning the International Carriage of Dangerous Goods by Rail</li></ul> <p><b>16.3 Key literature references and sources for data:</b></p> <ul style="list-style-type: none"><li>• REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006</li><li>• SDS of European Directorate for quality of Medicines and Healthcare, France (<a href="http://crs.edqm.eu/db/4DCGI/db/4DCGI/MSDS?MSDS=Y0001023">http://crs.edqm.eu/db/4DCGI/db/4DCGI/MSDS?MSDS=Y0001023</a>)</li><li>• MSDS of Fisher Scientific, NJ. (<a href="https://fscimage.fishersci.com/msds/91396.htm">https://fscimage.fishersci.com/msds/91396.htm</a>)</li><li>• MSDS of Nicobrand, Ireland (<a href="http://www.nicobrand.com/files/Nicotine Bitartrate Dihydrate Data Sheet.pdf">http://www.nicobrand.com/files/Nicotine Bitartrate Dihydrate Data Sheet.pdf</a>)</li><li>• SDS of International Safety Cards (<a href="http://actrav.itcilo.org/actrav-english/telearn/osh/ic/65316.htm">http://actrav.itcilo.org/actrav-english/telearn/osh/ic/65316.htm</a>)</li><li>• SDS of Nicobrand Ltd. (<a href="http://www.nicobrand.com/files/Nicotine Bitartrate Dihydrate MSDS.pdf">http://www.nicobrand.com/files/Nicotine Bitartrate Dihydrate MSDS.pdf</a>)</li><li>• MSDS of Sciencelab.com, Inc. (<a href="http://sciencelab.com/msds.php?msdsId=9926223">http://sciencelab.com/msds.php?msdsId=9926223</a>)</li><li>• Chemspider database (<a href="http://www.chemspider.com/Chemical-Structure.4642648.html">http://www.chemspider.com/Chemical-Structure.4642648.html</a>)</li></ul> <p><b>16.4 Relevant R- and H-phrases (number and full text):</b></p> <ul style="list-style-type: none"><li>• R26/27/28- Very toxic by inhalation, in contact with skin and if swallowed.</li><li>• R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li><li>• H330- Fatal if Inhaled</li><li>• H310- Fatal in contact with skin</li><li>• H300- Fatal if swallowed</li><li>• H336- May cause drowsiness or dizziness</li><li>• H361- Suspected of damaging fertility or the unborn child</li><li>• H411- Toxic to aquatic life with long lasting effects</li></ul>
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*Disclaimer: The information above is believed to be accurate and represents the best information currently available to us. No representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. This MSDS shall be used as a guide only. Users should make their own investigations to determine the suitability of the information for their particular purposes.*