

MATERIAL SAFETY DATA SHEET

Nicotine Ditartrate Dihydrate

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name : **Nicotine Ditartrate Dihydrate**

Company Identification : Nicotine Vault

Culver St, Somerville, NJ, 08876, USA

For information call : +1 (534) 444-6872

For further enquiries : Info@nicotinevault.com

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture



GHS06 Skull and crossbones

Acute Tox. 3 H301 Toxic if swallowed.

Acute Tox. 1 H310 Fatal in contact with skin.

Acute Tox. 2 H330 Fatal if inhaled.

· **Label elements**

· **GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS06

· **Signal word** Danger

· **Hazard-determining components of labeling:**

Nicotine Bitartrate Dihydrate

· **Hazard statements**

Toxic if swallowed.

Fatal in contact with skin or if inhaled.

· **Precautionary statements**

Do not breathe dust/fume/gas/mist/vapors/spray.

[In case of inadequate ventilation] wear respiratory protection. Wear protective gloves / protective clothing.

Do not get in eyes, on skin, or on clothing.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Specific treatment is urgent (see on this label).

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Rinse mouth.

IF ON SKIN: Wash with plenty of water.

Take off immediately all contaminated clothing and wash it before reuse. Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Substance	Chemical name	Common name and synonyms	CAS number	%
Nicotine Bitartrate Dihydrate		Nicotine acid tartrate dihydrate	6019-06-3	100

SECTION 4 - FIRSTAID MEASURES

· **Description of first aid measures**

· **General information:**

Consult your Doctor. Show the safety data sheet to the Doctor. Away from the dangerous area. Remove breathing apparatus only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

If breathed in, supply fresh air. If not breathing, give artificial respiration. Consult a Doctor.

· **After skin contact:** Wash off with soap and plenty of water. Consult a Doctor.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Do not induce vomiting; immediately call for medical help.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

Advice for firefighters

Protective equipment: Mouth respiratory protective device.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Pick up mechanically, dispose contaminated material as waste according to Section 13. Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7 - HANDLING AND STORAGE

Handling:

Precautions for safe handling

Thorough dedusting.

Ensure good ventilation/exhaustion at the workplace. Avoid direct contact with skin and eyes. Open and handle receptacle with care.

Information about protection against explosions and fires: Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Storage: 15 - 30 °C

Requirements to be met by storerooms and receptacles: No special requirements.

Further information about storage conditions: Keep container tightly sealed.

Specific end use(s) No further relevant information available.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see Section 7.

Control parameters

Components with limit values that require monitoring at the workplace: Not required.

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Not required.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and properties General Information

Form: Powder

Color: White

Odor: Indeterminate

Odor threshold: Not determined.

· pH-value: Not applicable.

· Change in condition

Boiling point/Boiling range:

chemical

Appearance:

Undetermined.

- Flash point: Not applicable.
- Flammability (solid, gaseous): Product is not flammable.
- Ignition temperature:

Decomposition temperature: Not determined. · Auto
igniting: Not determined. · Danger of explosion: See
section 10

- Explosion limits: Lower:

Upper: Not Applicable Not Applicable · Vapor pressure: Not
applicable.

Density:	Not Applicable Not determined. Not applicable. Not applicable.
Relative density	
Vapor density	
Evaporation rate	
Solubility in / Miscibility with Water:	Not Determined Soluble.

· Partition coefficient (n-octanol/water): Not determined.	
· Viscosity: Dynamic: Kinematic:	Not applicable. Not applicable.
· Solvent content: Organic solvents:	
VOC content:	0.0 % 0.0 g/l / 0.00 lb/gl
Solids content:	100.0 %
· Other information	No further relevant information available.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect. **on the eye:**

Irritant and potentially harmful

Sensitization: No sensitizing effects known.

Additional toxicological information: Danger through skin absorption

IARC (International Agency for Research on Cancer) Substance is not listed.

NTP (National Toxicology Program) Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration)
--

Substance is not listed.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:**General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB

assessment PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

· Waste treatment methods**· Recommendation:**

Can not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

· Recommendation: Discard must be made according to official regulations.

· Recommended cleansing agent: Water, if necessary with cleaning agents.

.

SECTION 14 - TRANSPORT INFORMATION

· UN-Number**· DOT, ADR, IMDG,****IATA****· UN proper shipping****name****· DOT, IATA****· ADR****· IMDG****· Transport hazard class(es)****· DOT****· Label**

UN1659

Nicotine tartrate

1659 Nicotine tartrate, ENVIRONMENTALLY HAZARDOUS

NICOTINE TARTRATE

Class 6.1 Toxic substances

6.1

· **ADR**



· **Class** 6.1 Toxic substances
 · **Label** 6.1

· **IMDG, IATA**



· **Class** 6.1 Toxic substances
 · **Label** 6.1

· **Packing group**

· **DOT, ADR, IMDG, IATA** II

· **Environmental hazards:**

· **Marine pollutant:** No

· **Special marking (ADR):** Symbol (fish and tree)

· **Special precautions for user** Warning: Toxic substances

· **EMS Number:** F-A,S-A

· **Stowage Category** A

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **DOT**

· **Quantity limitations** On passenger aircraft/rail: 25 kg
 On cargo aircraft only: 100 kg

· **ADR**

· **Excepted quantities (EQ)** Code: E4
 Maximum net quantity per inner packaging: 1 g
 Maximum net quantity per outer packaging: 500 g

· **IMDG**

· **Limited quantities (LQ)** 500 g
 Code: E4

· **Excepted quantities (EQ)** Maximum net quantity per inner packaging: 1 g
 Maximum net quantity per outer packaging: 500 g

· **UN "Model Regulation":** UN 1659 NICOTINE TARTRATE, 6.1, II,
 ENVIRONMENTALLY
 HAZARDOUS

SECTION 15 - REGULATORY INFORMATION

· **Safety, health and environmental regulations/legislation specific for the substance or mixture** · Sara

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

· **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

· **TSCA (Toxic Substances Control Act):**

Substance is not listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity:**

Substance is not listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency) Substance**

is not listed.

· **TLV (Threshold Limit Value established by ACGIH) Substance**

is not listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

· **GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS06

Signal word Danger

· **Hazard-determining components of labeling:**

Nicotine Bitartrate Dihydrate

· **Hazard statements**

Toxic if swallowed.

Fatal in contact with skin or if inhaled.

Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.

[In case of inadequate ventilation] wear respiratory protection. Wear protective gloves / protective clothing.

Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Specific treatment is urgent (see on this label).

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Rinse mouth.

IF ON SKIN: Wash with plenty of water.

Take off immediately all contaminated clothing and wash it before reuse.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16 - ADDITIONAL INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Quality Control Dept. ·

Date of preparation / last revision 07/29/2016 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health

TLV: Threshold Limit Value PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Tox. 3: Acute toxicity, Hazard Category 3 Acute Tox. 1: Acute toxicity, Hazard Category 1 Acute Tox. 2: Acute toxicity, Hazard Category 2

