

NICOTINE TARTRATE

0521

September 1997

CAS No: 65-31-6
 RTECS No: QT0350000
 UN No: 1659
 EC No: 614-002-00-X

Nicotine acid tartrate
 Nicotine bitartrate
 $C_{10}H_{14}N_2 \cdot 2C_4H_6O_6$
 Molecular mass: 462.5

| TYPES OF HAZARD/ EXPOSURE | ACUTE HAZARDS/SYMPTOMS | PREVENTION | FIRST AID/FIRE FIGHTING |
|---------------------------|------------------------------------------------------------------------|-----------------|--------------------------------------------------------------|
| FIRE | Combustible. Gives off irritating or toxic fumes (or gases) in a fire. | NO open flames. | Powder, alcohol-resistant foam, water spray, carbon dioxide. |
| EXPLOSION | | | |

| EXPOSURE | | PREVENT DISPERSION OF DUST! AVOID EXPOSURE OF (PREGNANT) WOMEN! | IN ALL CASES CONSULT A DOCTOR! |
|-------------------|----------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Inhalation | Nausea. Vomiting. Abdominal pain. Headache. Convulsions. | Ventilation (not if powder), local exhaust, or breathing protection. | Fresh air, rest. Refer for medical attention. |
| Skin | MAY BE ABSORBED! Redness. Pain. (See Inhalation). | Protective gloves. Protective clothing. | Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention. |
| Eyes | Pain. Redness. | Face shield, or eye protection in combination with breathing protection if powder. | First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor. |
| Ingestion | (See Inhalation). | Do not eat, drink, or smoke during work. | Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention. |

| SPILLAGE DISPOSAL | PACKAGING & LABELLING |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Do NOT wash away into sewer. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting, then remove to safe place. (Extra personal protection: complete protective clothing including self-contained breathing apparatus). | <p>EU classification</p> <p>T+ Symbol N Symbol R: 26/27/28-51/53 S: (1/2-)13-28-45-61 Note: A</p> <p>UN classification</p> <p>UN Hazard Class: 6.1 UN Pack Group: II</p> <p>Do not transport with food and feedstuffs.</p> |

| EMERGENCY RESPONSE | SAFE STORAGE |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Transport Emergency Card: TEC (R)-61G67 | Provision to contain effluent from fire extinguishing. Separated from strong oxidants, food and feedstuffs. |

IMPORTANT DATA**Physical State; Appearance**

WHITE FLAKES.

Chemical dangers

The substance decomposes on heating producing toxic fumes of nitrogen oxides and carbon monoxide. Reacts violently with strong oxidants.

Occupational exposure limits

TLV not established.

Routes of exposure

The substance can be absorbed into the body by inhalation of its aerosol, through the skin and by ingestion.

Inhalation risk

Evaporation at 20/C is negligible; a harmful concentration of airborne particles can, however, be reached quickly when dispersed.

Effects of short-term exposure

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. Medical observation is indicated.

Effects of long-term or repeated exposure

Animal tests show that this substance possibly causes toxic effects upon human reproduction.

PHYSICAL PROPERTIES

Melting point: 90/C

Solubility in water: very good

Auto-ignition temperature: 244/C

ENVIRONMENTAL DATA

The substance is toxic to aquatic organisms.

NOTES

Card has been partially updated in August 2007: see EU Classification.

ADDITIONAL INFORMATION**LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information