

Quinidine Sulphate M.S.D.S

Manufacturing Facility:

Nicotine Vault

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IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Product name : Quinidine sulfate salt dihydrate

Product Number: Q0875 CAS-No.

: 6591-63-5

Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Laboratory chemicals, Manufacture of substances

HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Oral (Category 4)

Classification according to EU Directives 67/548/EEC or 1999/45/EC Harmful if swallowed.

Label elements

Labeling according Regulation (EC) No 1272/2008 [CLP]



Pictogram

Signal word: Warning

Hazard statement(s) : Harmful if swallowed.

H302

Precautionary statement(s): None

Supplemental Hazard: None

According to European Directive 67/548/EEC as amended.



Hazard symbol(s)

R-pharse(s) R22: Harmful if swallowed

S-pharse(s): None

Other hazards - None

COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Formula: $\text{C}_{40}\text{H}_{48}\text{N}_4\text{O}_4 \cdot \text{H}_2\text{O}_4\text{S} \cdot 2\text{H}_2\text{O}$

Molecular Weight: 782, 94 g/mol

Component: Quinidine sulphate

Concentration

CAS-No. 6591-63-5

EC-No. 200-046-3

FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

Prolonged or repeated exposure can cause: Blood disorders, Vomiting, Diarrhoea

Indication of any immediate medical attention and special treatment needed

No data available

FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides

Advice for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Further information: No data available

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, Mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed, Containers for disposal. **Reference to other sections** For disposal see section 13.

HANDLING AND STORAGE**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and wellventilated place.

Light sensitive.

Specific end uses: No data available

EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Components with workplace control parameters****Exposure controls****Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection Safety glasses with side- shields conforming to EN166 Use equipment for eye protection tested and Approved under appropriate government standards such as NIOSH (US) or EN 16 6(EU)

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK- P2 (EU EN 143) respirator cartridges. Use

Respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties Appearance:

Form: solid

Odour: No data available

Odour Threshold: No data available

Ph: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Form: solid

Melting point/range: 212 - 214 °C - dec.

Flammability (solid, gas): no data available

Upper/lower

Flammability or explosive limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: No data available

Water solubility: Partition coefficient: n- octane/water

Auto ignition: No data available

Temperature: No data available

Decomposition: No data available

Temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Other safety information: No data available **STABILITY AND REACTIVITY**

Reactivity: No data available

Chemical stability: No data available

Possibility of hazardous reactions: No data available

Conditions to avoid: Light.

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products

Other decomposition products - no data available

TOXICOLOGICAL INFORMATION**Information on toxicological effects**

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagen city: No data available

Carcinogenicity IARC:

No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Potential health effects**Inhalation / Ingestion:**

May be harmful if inhaled. May cause respiratory tract irritation. Harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation **Eyes:** May cause eye irritation.

Signs and Symptoms of Exposure

Prolonged or repeated exposure can cause:, Blood disorders, Vomiting, Diarrhoea

Additional Information

RTECS: VA5605000

ECOLOGICAL INFORMATION

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: No data available

Other adverse effects: No data available

DISPOSAL CONSIDERATIONS

Waste treatment methods Product: Offer surplus and non- recyclable solutions to a licensed disposal company. Contact a licensed professional Waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

TRANSPORT INFORMATION UN number ADR/RID:

-

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods IATA:

Not dangerous goods **Transport**

hazard class (es) : ADR/RID: -

Packaging group: ADR/RID: - **Environmental**

hazards; ADR/RID: no

Special precautions for user: no data available

REGULATORY INFORMATION

IMDG Marine pollutant: no

IATA: no

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/

Safety, health and environmental regulations/legislation specific for the substance or mixture: No data available

Chemical Safety Assessment: No data available

OTHER INFORMATION

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information 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. See reverse side of invoice or packing slip for additional terms and conditions of sale.