

1 - Product and Company Information

ProductName VINCRISTINE SULFATE

2 - Hazards Identification

SPecIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Not hazardous according to Directive 67/548/EEC.

3 - Composition/Information on Ingredients

Product Name CAS# EC no Annex I

VINCRISTINE SULFATE 2068-78-2 218-190-0 None

Formula C46H56N4O10 · H2SO4

Molecular Weight 923.06 AMU

Synonyms *Leurocristine sulfate (1:1) (salt)
*Lilly 37231 *NSC 67574 *Oncovin *Onkovic *

VCR sulfate* Vincaleukoblastine, 22-oxo-,

sulfate (1:1) (salt)* Vincristine sulfate*

Vincristinsulfat (German)* Vincrisul

4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and copious amounts of water.

AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

SPecIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

SPecIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7 - Handling and Storage

HANDLING

Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Conditions of Storage: Keep tightly closed.

SPecIAL REQUIREMENTS: Light and moisture sensitive.

8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

Hand Protection: Protective gloves.

Eye Protection: Chemical safety goggles.

9 - Physical and Chemical Properties

Appearance Physical State: Solid
Color: White
Form: Powder

Property Value At Temperature or Pressure

pH N/A

BP/BP Range N/A

MP/MP Range 300 °C

Flash Point N/A

Flammability N/A

Autoignition Temp. N/A

Oxidizing Properties N/A

Explosive Properties N/A

Explosion Limits N/A

Vapor Pressure N/A

Partition Coefficient N/A

Viscosity N/A

Vapor Density N/A

Saturated Vapor Conc. N/A

Evaporation Rate N/A

Bulk Density N/A

Decomposition Temp. N/A

Solvent Content N/A

Water Content < 5 %

Surface Tension N/A

Conductivity N/A

Miscellaneous Data N/A

Solubility Solvent: clear, colorless 20 mg/ml MeOH

10 - Stability and Reactivity

STABILITY

Stable: Stable. Conditions of Instability: May decompose on exposure to light.

Conditions to Avoid: Moisture.

Materials to Avoid: Strong oxidizing agents, Heavy metal salts.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11 - Toxicological Information

RTCS NUMBER: OH6340000

ACUTE TOXICITY

Species: Rat LD50

Intraperitoneal

Rat

1900 UG/KG

LD50

Intravenous

Rat

1010 UG/KG

Remarks: Blood:Normocytic anemia. Kidney, Ureter, Bladder:Urine volume increased. Gastrointestinal:Hypermotility, diarrhea.

LD50

Intraperitoneal

Mouse

3 MG/KG

LD50

Intravenous

Mouse

1010 UG/KG

Remarks: Blood:Normocytic anemia. Kidney, Ureter, Bladder:Urine volume increased. Gastrointestinal:Hypermotility, diarrhea.

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