

GHS Classification

ID1121

CAS 16893-92-8

Physical Hazards

potassium hexafluoroantimonate

Date Classified: May 24, 2006 (Environmental Hazards: Mar. 31, 2006)

Reference Manual: GHS Classification Manual (Feb. 10, 2006)

| Hazard class | Classification | symbol | signal word | hazard statement | Rational for the classification |
|---|-----------------------------|--------|-------------|------------------|---|
| 1 Explosives | Not applicable | - | - | - | There are no chemical groups associated with explosive properties present in the molecules. |
| 2 Flammable gases | Not applicable | - | - | - | Solid (GHS definition) |
| 3 Flammable aerosols | Not applicable | - | - | - | Not aerosol products |
| 4 Oxidizing gases | Not applicable | - | - | - | Solid (GHS definition) |
| 5 Gases under pressure | Not applicable | - | - | - | Solid (GHS definition) |
| 6 Flammable liquids | Not applicable | - | - | - | Solid (GHS definition) |
| 7 Flammable solids | Classification not possible | - | - | - | No data available |
| 8 Self-reactive substances and mixtures | Not applicable | - | - | - | There are no chemical groups associated with explosive or self-reactive properties present in the molecule. |
| 9 Pyrophoric liquids | Not applicable | - | - | - | Solid (GHS definition) |
| 10 Pyrophoric solids | Classification not possible | - | - | - | No data available |
| 11 Self-heating substances and mixtures | Classification not possible | - | - | - | No data available |
| 12 Substances and mixtures, which in contact with water, emit flammable gases | Not classified | - | - | - | Stable to water (soluble in water) |
| 13 Oxidizing liquids | Not applicable | - | - | - | Solid (GHS definition) |
| 14 Oxidizing solids | Classification not possible | - | - | - | No data available |
| 15 Organic peroxides | Not applicable | - | - | - | Inorganic compound |
| 16 Corrosive to metals | Classification not possible | - | - | - | Test methods applicable to solid substances are not available. |

Health Hazards

| Hazard class | Classification | symbol | signal word | hazard statement | Rational for the classification |
|---|---|---|---|---|--|
| 1 Acute toxicity (oral) | Classification not possible | - | - | - | No data available |
| 1 Acute toxicity (dermal) | Classification not possible | - | - | - | No data available |
| 1 Acute toxicity (inhalation: gas) | Not applicable | - | - | - | Solid (GHS definition) |
| 1 Acute toxicity (inhalation: vapour) | Classification not possible | - | - | - | No data available |
| 1 Acute toxicity (inhalation: dust, mist) | Classification not possible | - | - | - | No data available |
| 2 Skin corrosion / irritation | Classification not possible | - | - | - | No data available |
| 3 Serious eye damage / eye irritation | Category 2B | - | Warning | Causes eye irritation | Although there is no data about this product, there is the description about eye irritation as fluoride in ACGIH-TLV (2004). It was classified into Category 2B. |
| 4 Respiratory/skin sensitization | respiratory sensitization: Classification not possible; Skin sensitization: Classification not possible | (Respiratory sensitization)-; (Skin sensitization)- | (Respiratory sensitization)-; (Skin sensitization)- | (Respiratory sensitization)-; (Skin sensitization)- | No data available |
| 5 Germ cell mutagenicity | Classification not possible | - | - | - | Without data. (It has classified with 3A as inorganics antimony compounds according to MAK/BAT (2005). Germ-cell mutagenicity is suspected.) |

| | | | | | | |
|----|--|--|------------------|---------|--|--|
| 6 | Carcinogenicity | Category 2 | Health hazard | Warning | Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard) | It is classified into 2B as antimony compounds in industrial hygiene academic society advice (2004). It was classified into Category 2. |
| 7 | Toxic to reproduction | Classification not possible | - | - | - | No data available |
| 8 | Specific target organs/systemic toxicity following single exposure | Category 3 (respiratory tract irritation) | Exclamation mark | Warning | May cause respiratory irritation or may cause drowsiness and dizziness (respiratory tract irritation) | There are no data for this substance. But because of a report in ACGIH-TLV (2004), a Priority 1 document, there is airway irritant properties in the forms of both a fluoride and an antimony compound, the substance was classified as Category 3 (airway irritant). |
| 9 | Specific target organs/systemic toxicity following repeated exposure | Category 1 (bone, lung, cardiovascular system) | Health hazard | Danger | Causes damage to organs (bone, lung, cardiovascular system) through prolonged or repeated exposure | Although there is no data about this product, in ACGIH-TLV (2004) of Priority 1 document, it is supposed that it has the influence on a bone by as fluoride, and the effects on lungs and the cardiovascular system by as an antimony compound. Therefore, it was classified into Category 1 (a bone, lungs, cardiovascular system). |
| 10 | Aspiration hazard | Classification not possible | - | - | - | No data available |

Environmental Hazards

| Hazard class | Classification | symbol | signal word | hazard statement | Rational for the classification |
|---|-----------------------------|--------|-------------|------------------|---------------------------------|
| 11 Hazardous to the aquatic environment (acute) | Classification not possible | - | - | - | No data available |
| 11 Hazardous to the aquatic environment (chronic) | Classification not possible | - | - | - | No data available. |