

GHS Classification

ID248

Zinc acetate, dihydrate

CAS 5970-45-6

Date Classified: Apr. 20, 2006 (Environmental Hazards: Mar. 31, 2006)

Physical Hazards

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

| Hazard class | Classification | symbol | signal word | hazard statement | Rational for the classification |
|---|-----------------------------|--------|-------------|------------------|--|
| 1 Explosives | Not applicable | — | — | — | Containing no chemical groups with explosive properties |
| 2 Flammable gases | Not applicable | — | — | — | Classified as "solid" according to GHS definition |
| 3 Flammable aerosols | Not applicable | — | — | — | Not aerosol products |
| 4 Oxidizing gases | Not applicable | — | — | — | Classified as "solid" according to GHS definition |
| 5 Gases under pressure | Not applicable | — | — | — | Classified as "solid" according to GHS definition |
| 6 Flammable liquids | Not applicable | — | — | — | Classified as "solid" according to GHS definition |
| 7 Flammable solids | Classification not possible | — | — | — | No data available |
| 8 Self-reactive substances and mixtures | Not applicable | — | — | — | Containing no chemical groups with explosive or self-reactive properties |
| 9 Pyrophoric liquids | Not applicable | — | — | — | Classified as "solid" according to 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 (water solubility: 30g/100mL (20degC), Lide (84th, 2003)) |
| 13 Oxidizing liquids | Not applicable | — | — | — | Classified as "solid" according to GHS definition |
| 14 Oxidizing solids | Classification not possible | — | — | — | Classification not possible due to the absence of data, though being organic compounds containing oxygen bound to carbon and hydrogen. |
| 15 Organic peroxides | Not applicable | — | — | — | Organic compounds containing no "—O—O—" structure |
| 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) | Category 4 | Exclamation mark | Warning | Harmful if swallowed | Based on the testing data of rat LD50 (oral route) of 794mg/kg (EHC 221 (2001)). |
| 1 Acute toxicity (dermal) | Classification not possible | — | — | — | No data available |
| 1 Acute toxicity (inhalation: gas) | Not applicable | — | — | — | Due to the fact that the substance is "solid" according to the GHS definition and inhalation of its gas is not expected. |
| 1 Acute toxicity (inhalation: dust, mist) | Classification not possible | — | — | — | No data available |
| 2 Skin corrosion / irritation | Category 3 | — | Warning | Causes mild skin irritation | Based on the description in EHC 221 (2001): Twenty-percent solution of zinc acetate causes mid skin irritation (slightly less irritant) ((though the results are not those of 4-hour application). The substance is considered "mildly irritating" to the skin. |
| 3 Serious eye damage / eye irritation | Classification not possible | — | — | — | Based on the description in RTECS (1995): The substance is "moderately irritating" to the eyes. The details, however, are unknown. |
| 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) – | Respiratory sensitization: No data available Skin sensitization: No data available |
| 5 Germ cell mutagenicity | Classification not possible | — | — | — | No data available |
| 6 Carcinogenicity | Classification not possible | — | — | — | No data available |
| 7 Toxic to reproduction | Classification not possible | — | — | — | No data available |
| 8 Specific target organs/systemic toxicity following single exposure | Classification not possible | — | — | — | No data available |
| 9 Specific target organs/systemic toxicity following repeated exposure | Classification not possible | — | — | — | No data available |
| 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 |