

GHS Classification

ID547

5'-[N,N-Bis(2-acetyloxyethyl)amino]-2'-(2-bromo-4,6-dinitrophenylazo)-4'-methoxyacetanilide

CAS 3618-72-2

Date Classified: Sep. 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 | Classification not possible | — | — | — | Classification not possible due to lack of data on the kick-off temperature and decomposition energy (though the substance contains nitro groups with its oxygen budget calculated at -124). |
| 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 | Classification not possible | — | — | — | Classification not possible due to lack of data, though containing nitro groups with explosive 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 applicable | — | — | — | Containing no metals or metalloids (B, Si, P, Ge, As, Se, Sn, Sb, Te, Bi, Po, At) |
| 13 Oxidizing liquids | Not applicable | — | — | — | Classified as "solid" according to GHS definition |
| 14 Oxidizing solids | Classification not possible | — | — | — | Classification not possible due to lack of data, though being organic compounds containing oxygen bound to the elements other than 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) | Not classified | — | — | — | Based on the rat LD50 (oral route) value of >5,000mg/kg (RTECS (1998)). |
| 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 |
| 1 Acute toxicity (inhalation: gas) | Classification not possible | — | — | — | No data available |
| 2 Skin corrosion / irritation | Classification not possible | — | — | — | No data available |
| 3 Serious eye damage / eye irritation | Classification not possible | — | — | — | No data available |
| 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 | — | — | — | Classification not possible due to lack of data |
| 11 Hazardous to the aquatic environment (chronic) | Classification not possible | — | — | — | Classification not possible due to lack of data |