GHS Classification

ID365 4'-Ethoxyacetanilide; Phenacetin

CAS 62-44-2 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	-	-	-	Test methods applicable to liquid substances are not available - melting point: 137.5degC (Lide, 84th, 2003), test temperature: 140degC
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	Not applicable	-	-	-	Organic compounds containing oxygen (but not fluorine and chlorine), with the oxygen bound to carbon and hydrogen (but not to other elements)
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 (acute toxicity) of 1,650mg/kg (MOE Risk Assessment vol. 3 (2004)).
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:	Classification not possible	-	-	-	No data available
1	Acute toxicity (inhalation: dust, mist)	Classification not possible	-	-	-	Insufficient 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: No data available Skin sensitization: No data available
5	Germ cell mutagenicity	Category 2	Health hazard	Warning	Suspected of causing genetic defects	Based on the absence of data on multi-generation mutagenicity tests, in vivo germ cell mutagenicity tests, positive data on in vivo somatic cell mutagenicity tests (micronucleus tests), and the absence of data on in vivo germ cell genotoxicity tests , described in CERI-NITE Hazard Assessment No.2000-44 (2001).
6	Carcinogenicity	Category 1B	Health hazard	Danger	May cause cancer	Due to the fact that the substance is classified as Category R by NTP (2005) and Group 2A by IARC (1987).
7	Toxic to reproduction	Classification not possible	-	-	-	Insufficient data available
8	Specific target organs/systemic toxicity following single exposure	Classification not possible	-	-	-	Insufficient data available
9	Specific target organs/systemic toxicity following repeated exposure	Category 1 (kidneys, nervous system, blood system)	Health hazard	Danger	Causes damage to organs through prolonged or repeated exposure (kidneys, nervous system, blood system)	Based on the human evidence including "a decrease in platelets, agranulocytosis, hemolytic anemia, hemoglobinuria, cyanosis due to the formation of methemoglobin, dyspnea, tachycardia, cold sweat, cold hands and feet, a decrease in body temperature, chronic interstitial nephritis, methemoglobinemia, renal/blood/nervous disorder (caused by long-term ingestion in large amounts)" (CERI Hazard Data 2000-14 (2001)).
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