

## GHS Classification

**ID636**

**Ammonium sulphamate**

**CAS 7773-06-0**

Date Classified: Jul. 24, 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	-	-	-	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	Not classified	-	-	-	Non-combustible (Weiss (2nd, 1985))
8 Self-reactive substances and mixtures	Classification not possible	-	-	-	Classification not possible due to lack of data, though the substance contains S=O bonds as chemical groups with self-reactive properties present.
9 Pyrophoric liquids	Not applicable	-	-	-	Solid (GHS definition)
10 Pyrophoric solids	Not classified	-	-	-	Non-combustible (Weiss, 2nd, 1985)
11 Self-heating substances and mixtures	Not classified	-	-	-	Non-combustible (Weiss, 2nd, 1985)
12 Substances and mixtures, which in contact with water, emit flammable gases	Not applicable	-	-	-	The chemical structure of the substance does not contain metals or metalloids(B, Si, P, Ge, As, Se, Sn, Sb, Te, Bi, Po, At).
13 Oxidizing liquids	Not applicable	-	-	-	Solid (GHS definition)
14 Oxidizing solids	Classification not possible	-	-	-	No data available
15 Organic peroxides	Not applicable	-	-	-	Inorganic substance
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 5	-	Warning	May be harmful if swallowed	Category 5 based on SPECIES: Rat; ENDPOINT: LD50;VALUE:3900 mg/kg; REFERENCE SOURCE: ACGIH (7th, 2001)
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	Category 3	-	Warning	Causes mild skin irritation	Animal studies show no skin irritation (ACGIH (7th, 2001), HSDB (2005)) or slight reaction with repeated administration (HSDB (2005), TOXCENTER (2005)). There are statements that there was no skin irritation (HSDB (2005), HSFS (2001)) and that skin is irritated (ACGIH (7th, 2001), HSDB (2005)) on humans. Based on the above information, skin irritativeness was thought to be weak, and it was classified as Category 3.
3 Serious eye damage / eye irritation	Category 2A-2B	Exclamation mark	Warning	Causes serious eye irritation	It was set as Category 2A-2B based on the statement that redness, pain and irritation were produced in an eye of humans (HSDB (2005), ICSC (2004), HSFS (2001)).
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. Skin sensitization:data: No data.
5 Germ cell mutagenicity	Classification not possible	-	-	-	We found a negative result by in vitro mutagenicity examination (reverse mutation test using bacteria) (TOXCENTER (2005)), however, we found no in vivo data, therefore we could not classify it for the insufficiency of data.
6 Carcinogenicity	Classification not possible	-	-	-	No data available

7	Toxic to reproduction	Classification not possible	-	-	-	Since although there is a description that in 3 generation reproduction toxicity test, it is not observed reproduction toxicity at dose below 25mg/kg/day (converted from the concentration of 500 ppm in feeding administration) (IRIS (2002)) and there is no toxicity in histopathological and at indexes of reproduction and lactation with dose below 25mg/kg/day (TOXCENTER (2005)), a possibility of reproductive toxicity in the feeding administration of higher concentrations than 500 ppm cannot be denied, it was deemed unable to be classified since data was insufficient.
8	Specific target organs/systemic toxicity following single exposure	Category 3 (respiratory tract irritation, narcotic effects)	Exclamation mark	Warning	may cause respiratory irritation or may cause drowsiness and dizziness (respiratory tract irritation, narcotic effects)	It was set as Category 3 (respiratory irritation, anesthesia action) based on the statement that there is respiratory irritation in humans (HSFS (2001), HSDB (2005)), and the statement of the anesthesia action in a mouse (RTECS (2005)).
9	Specific target organs/systemic toxicity following repeated exposure	Not classified	-	-	-	Since in the rats oral administrations test, toxic effects was not admitted over 250 mg/kg/day or the upper limit of the guidance value range of Category 2 (10-100 mg/kg/day) (ACGIH (7th, 2001), HSDB (2005)), it was classified to as the outside of Category.
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	-	-	-	Insufficient data available.
11 Hazardous to the aquatic environment (chronic)	Classification not possible	-	-	-	Classification not possible due to lack of data