## **GHS Classification**

ID823

Silicon carbide

CAS 409-21-2

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

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

Stour Fluctuation Professional Value Character Mandal (1 50: 10; 200)					
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	ı	-	_	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	ı	-	_	Solid (GHS definition)
7 Flammable solids	Not classified	-	-	_	Non-combustible (ICSC (2004))
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	ı	-	_	Solid (GHS definition)
10 Pyrophoric solids	Not classified	ı	-	_	Non-combustible (ICSC, 2004)
11 Self-heating substances and mixtures	Not classified	_	-	_	Not combustible (ICSC (2004))
12 Substances and mixtures, which in contact with water, emit flammable gases	Not classified	-	-	-	Stable to water (the water solubility is obtained) (ICSC (2004), Sax (11th, 2004))
13 Oxidizing liquids	Not applicable	1	-	-	Solid (GHS definition)
14 Oxidizing solids	Not applicable	-	-	_	Inorganic compounds containing no oxygen and halogen.
15 Organic peroxides	Not applicable	ı	-	_	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)	Classification not possible	-	1	-	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	-	ı	-	No data available
1 Acute toxicity (inhalation: dust, mist)	Classification not possible	-	ı	-	No data available
2 Skin corrosion / irritation	Classification not possible	-	ı	-	No data available
3 Serious eye damage / eye irritation	Classification not possible	-	-	-	No data available
4 Respiratory/skin sensitization	sensitization: Classification not possible; Skin sensitization: Classification not	(Respiratory sensitization)-; (Skin sensitization)-	(Respiratory sensitization)-; (Skin sensitization)-	(Respiratory sensitization)-; (Skin sensitization)-	No data available
5 Germ cell mutagenicity	Classification not possible	-	-	-	No data available
6 Carcinogenicity	Category 1B	Health hazard	Danger	May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)	It was considered as Category 1B based on that it was classified into A2 in ACGIH (ACGIH (2003)).

7	Toxic to reproduction	Classification not possible	-	-	-	No data available
8	Specific target organs/systemic toxicity following single exposure		Health hazard	Danger	organs (respiratory)	In the rat, by the dosage of guidance value within the limits of Category 1, it was set as Category 1 (respiratory systems) based on the statement (ACGIH (2003)) that pulmonary edemas, pulmonary hemorrhage, interstitial pneumonia, bronchioles collapse, and the alveolar atelectasis were acknowledged.
9	Specific target organs/systemic toxicity following repeated exposure	Category 1 (lung)	Health hazard	Danger		It was classified into Category 1 (lung) based on a statement that shows pneumoconiosis, change in chest radiography pictures, lung fibrosis, knot, and silicosis were observed in humans (ACGIH (2003), HSDB (2005)).
10	Aspiration hazard	Classification not possible	-	-	=	No data available

## **Environmental Hazards**

<u></u>	TVII OTITIOTICAL FIGERIACO						
Ha	azard 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.	