GHS Classification

ethyl methylnitrosocarbamate

GHG	0 Glassillea
ID98	3
	615-53-2

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	Classification not	_	_	_	Classification not possible due to lack of data by regulated test methods, though "the substance explodes when distilling
	possible	-	-	-	under normal pressure" (Bretherick (J), 5th, 1998).
2 Flammable gases	Not applicable	-	-	-	Liquid (GHS definition)
3 Flammable aerosols	Not applicable	-	-	-	Not aerosol products
4 Oxidizing gases	Not applicable	-	-	-	Liquid (GHS definition)
5 Gases under pressure	Not applicable	-	-	-	Liquid (GHS definition)
-	Classification not possible	-	-	-	No data available
7 Flammable solids	Not applicable	-	-	-	Liquid (GHS definition)
	Classification not possible	-	-	-	There is information that it explodes when atmospheric distillation is carried out (Bretherick (J), (5th, 1998)), but there is no data based on a set test method.
9 Pyrophoric liquids	Classification not possible	-	-	-	No data available
10 Pyrophoric solids	Not applicable	-	-	-	Liquid (GHS definition)
	Classification not possible	-	-	-	No data available
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 metaloids(B, Si, P, Ge, As, Se, Sn, Sb, Te, Bi, Po, At).
13 Oxidizing liquids	Classification not possible	-	-	-	No data available
14 Oxidizing solids	Not applicable	-	-	-	Liquid (GHS definition)
15 Organic peroxides	Not applicable	-	-	-	Containing no -0-0- structure
16 Corrosive to metals	Classification not possible	-	-	-	No data available

Health Hazards

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1 Acute toxicity (oral)	Category 3	Skull and	Danger	Toxic if swallowed	Category 3 based on SPECIES: Rat; Median lethal level: 238mg/kg; REFERENCE SOURCE: PATTY 4th (1994)
1 Acute toxicity (dermal)	Classification not possible	-	-	-	No data available
 Acute toxicity (inhalation: gas) 	Not applicable	-	-	-	Liquid (GHS definition)
 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 2	Exclamation mark	Warning	Causes skin irritation	There is no concrete case report. But from description that a blister is made by contact (PATTY (4th, 1994)), it was judged that there was skin irritation, and it was set as Category 2.
3 Serious eye damage / eye irritation	Category 2A-2B	Exclamation mark	Warning	Gauses serious eye	We found no concrete case reports. However, based on the description that "the eye may be stimulated by contact with this product" (HSFS (1999)), and based on the description that "the steam of this product showed severe irritation to the eye" (PATTY (4th, 1994)). So we classified it as Category 2A-2B
4 Respiratory/skin sensitization	sensitization: Classification not possible; Skin sensitization: Classification not	-	-	-	No data available

5	Germ cell mutagenicity				Suspected of causing genetic defects (state route	There is a positive result by the DNA damage test using a rat stomach which is an in vivo genotoxicity study using a
		Category 2	Health hazard	Warning	or exposure in it is	somatic cell (RTECS, 2006), and the reverse mutation test using the bacteria which is the in vitro mutagenicity test (RTECS, 2006). So it is set as Category 2.
					the hazard)	
			Health hazard	Warning		Since it was classified into group 2B (IARC Suppl.7, 1987) in IARC and 2B in Japan Assoc. of Industrial Health (industrial hygene academic society recommentation, 2005), it was considered as Category 2.
7		Classification not possible	-	-		No data available
		Category 3 (respiratory tract irritation)	Exclamation mark	Warning	may cause respiratory irritation or may cause drowsiness and dizziness (respiratory tract	Although there was no concrete case report, because of a description in PATTY (4th, 1994) referring to that respiratory tracts were stimulated intensively by vapor, it was judged as Category 3 (respiratory irritant).
-		Classification not possible	-	-	-	Classification not possible due to lack of data
10		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	