

## GHS Classification

**ID399**

**Dichlorotetrafluoroethane**

**CAS 1320-37-2**

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	Not applicable	—	—	—	Classified as "gas" according to GHS definition
2 Flammable gases	Not classified	—	—	—	Non-flammable (1,1-form) (HSDB, 2006); non-combustible (1,2-form) (ICSC, 1999)
3 Flammable aerosols	Not applicable	—	—	—	Not aerosol products
4 Oxidizing gases	Classification not possible	—	—	—	No data available
5 Gases under pressure	Liquefied gas	Gas cylinder	Warning	Contains gas under pressure; may explode if heated	The boiling point is 3.4degC (Lide (84th, 2003)) and the critical temperature is 145.6degC (HSDB (2006)), i.e., "liquefied gas" (1,1-form). The boiling point is 4.1degC (ICSC (1999)) and the critical temperature is 145.7degC (Merck (13th, 2001)), i.e., "liquefied gas" (1,2-form).
6 Flammable liquids	Not applicable	—	—	—	Classified as "gas" according to GHS definition
7 Flammable solids	Not applicable	—	—	—	Classified as "gas" according to GHS definition
8 Self-reactive substances and mixtures	Not applicable	—	—	—	Classified as "gas" according to GHS definition
9 Pyrophoric liquids	Not applicable	—	—	—	Classified as "gas" according to GHS definition
10 Pyrophoric solids	Not applicable	—	—	—	Classified as "gas" according to GHS definition
11 Self-heating substances and mixtures	Not applicable	—	—	—	Classified as "gas" according to GHS definition
12 Substances and mixtures, which in contact with water, emit flammable gases	Not applicable	—	—	—	Classified as "gas" according to GHS definition
13 Oxidizing liquids	Not applicable	—	—	—	Classified as "gas" according to GHS definition
14 Oxidizing solids	Not applicable	—	—	—	Classified as "gas" according to GHS definition
15 Organic peroxides	Not applicable	—	—	—	Classified as "gas" according to GHS definition
16 Corrosive to metals	Classification not possible	—	—	—	Test methods applicable to gaseous 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	—	—	—	No data available
1 Acute toxicity (dermal)	Classification not possible	—	—	—	No data available
1 Acute toxicity (inhalation: gas)	Classification not possible	—	—	—	No data available
1 Acute toxicity (inhalation: dust, mist)	Not applicable	—	—	—	Due to the fact that the substance is "gas" according to the GHS definition and inhalation of its vapour is not expected.
1 Acute toxicity (inhalation: dust, mist)	Not applicable	—	—	—	Due to the fact that the substance is "gas" according to the GHS definition and inhalation of its dust/mist is not expected.
2 Skin corrosion / irritation	Classification not possible	—	—	—	The present substance is considered a non skin irritant, based on the description in the report on guinea pig skin irritation tests (information on concentration and exposure duration missing) (EHC 113 (1990)): "No evidence of irritation" was seen when CFC-114 was sprayed directly to the back of test animals. However, classification is not possible, with only one set of data showing "negative" 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	—	—	—	Classification not possible due to the insufficiency of data (no data available on in vivo mutagenicity/genotoxicity tests)
6 Carcinogenicity	Not classified	—	—	—	Due to the fact that 1,2-dichlorotetrafluoroethane (CFC-114, CAS 76-14-2) is classified as Category A4 (ACGIH (2001)), though no data are available on dichlorotetrafluoroethane (CAS 1320-37-2) per se.
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 Refer to "ID755: Dichlorotetrafluoroethane (CAS No.76-14-2)."
9 Specific target organs/systemic toxicity following repeated exposure	Classification not possible	—	—	—	No data available Refer to "ID755: Dichlorotetrafluoroethane (CAS No.76-14-2)."
10 Aspiration hazard	Not applicable	—	—	—	Due to the fact that the substance is a gas at ordinary temperatures.

## Environmental Hazards

Hazard 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