

GHS Classification

ID384

Chlorotrifluoroethane

CAS

Date Classified: Nov. 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 (1-chloro-2,2,2-trifluoroethane)
2 Flammable gases	Not classified (1-chloro-2,2,2-trifluoroethane)	—	—	—	Non-flammable (1-chloro-2,2,2-trifluoroethane) (ICSC (1999))
3 Flammable aerosols	Not applicable	—	—	—	Not aerosol products
4 Oxidizing gases	Not classified (1-chloro-2,2,2-trifluoroethane)	—	—	—	Classified into Division 2.2 (UN#1983) (1-chloro-2,2,2-trifluoroethane) (UN Recommendation on the Transport of Dangerous Goods).
5 Gases under pressure	Liquefied gas (1-chloro-2,2,2-trifluoroethane)	Gas cylinder	Warning	Contains gas under pressure; may explode if heated	No data available on critical temperature. Classified into Division 2.2. (UN#1983 (1-chloro-2,2,2-trifluoroethane), used as refrigerant gas) by the UN Recommendation on the Transport of Dangerous Goods.
6 Flammable liquids	Not applicable	—	—	—	Classified as "gas" according to GHS definition (1-chloro-2,2,2-trifluoroethane).
7 Flammable solids	Not applicable	—	—	—	Classified as "gas" according to GHS definition (1-chloro-2,2,2-trifluoroethane).
8 Self-reactive substances and mixtures	Not applicable	—	—	—	Classified as "gas" according to GHS definition (1-chloro-2,2,2-trifluoroethane).
9 Pyrophoric liquids	Not applicable	—	—	—	Classified as "gas" according to GHS definition (1-chloro-2,2,2-trifluoroethane).
10 Pyrophoric solids	Not applicable	—	—	—	Classified as "gas" according to GHS definition (1-chloro-2,2,2-trifluoroethane).
11 Self-heating substances and mixtures	Not applicable	—	—	—	Classified as "gas" according to GHS definition (1-chloro-2,2,2-trifluoroethane).
12 Substances and mixtures, which in contact with water, emit flammable gases	Not applicable	—	—	—	Classified as "gas" according to GHS definition (1-chloro-2,2,2-trifluoroethane).
13 Oxidizing liquids	Not applicable	—	—	—	Classified as "gas" according to GHS definition (1-chloro-2,2,2-trifluoroethane).
14 Oxidizing solids	Not applicable	—	—	—	Classified as "gas" according to GHS definition (1-chloro-2,2,2-trifluoroethane).
15 Organic peroxides	Not applicable	—	—	—	Classified as "gas" according to GHS definition (1-chloro-2,2,2-trifluoroethane).
16 Corrosive to metals	Classification not possible	—	—	—	Test methods applicable to gaseous substances are not available (1-chloro-2,2,2-trifluoroethane).

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	—	—	—	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) — (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	—	—	—	No data available
6 Carcinogenicity	Not classified	—	—	—	Due to the fact that the substance is classified as Group 3 (as 2-CHLORO-1,1,1-TRIFLUOROETHANE (CAS: 75-88-7)) by IARC (1999).
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
9 Specific target organs/systemic toxicity following repeated exposure	Classification not possible	—	—	—	Insufficient data available
10 Aspiration hazard	Not applicable	—	—	—	Not applicable

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
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