

ERRATA

ID No.	Chemical Name	CAS	Hazard class	INCORRECT						CORRECT						NOTE						
				Classification	Symbol	Signal word	Hazard statement	Precautionary statement	Rationale for the classification	Classification year (FY)	GHS Classification Guidance for the Japanese Government	Classification	Symbol	Signal word	Hazard statement		Precautionary statement	Rationale for the classification	Classification year (FY)	GHS Classification Guidance for the Japanese Government		
m-note-705-07-9	titanium trichloride	7705-07-9	Substances and mixtures which, in contact with water, emit flammable gases	Category 1	Flame	Danger	H260: In contact with water releases flammable gas which may ignite spontaneously	P101+P201: If exposed or concerned: Call a POISON CENTER/doctor. P102+P231: Store in a dry place. Store in a closed container. P223: Do not allow contact with water. P280: Wear protective gloves/protective clothing/eye protection/face protection. P501: Dispose of contents/container to	There is a metal (Ti) present in the molecule, and there is information "very reactive and readily dissociated by moisture in the air" (Merck (14th, 2006)), and "It decomposes with the release of very much heat on contact with humidity or water. The heat causes spontaneous ignition and produces corrosive hydrogen chloride (gas)." (Hommel (1996)). Therefore, it was classified in Category 1. (the Purple Box, 2.12.2 Note 1)	n/c	n/c							n/c	n/c	September, 2021		
m-note-78-83-7	Caesium carbonate	78-83-7	Organic peroxides	Type E	Flame	Warning	H242: Heating may cause a fire	P111+P235: Store at temperatures not exceeding ... degC/... degF. Keep cool. P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P231: Keep/Store away from clothing./Combustible materials. P234: Keep only in original container. P280: Wear protective gloves/protective clothing/eye protection/face protection. P410: Protect from sunlight. P420: Store away from other materials. P501: Dispose of contents/container to	It is classified in Division 5.2, Type E (UN3108) in UNRTDG.	n/c	n/c	Type C	Flame	Danger	H242: Heating may cause a fire	P111+P235: Store at temperatures not exceeding ... degC/... degF. Keep cool. P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P231: Keep/Store away from clothing./Combustible materials. P234: Keep only in original container. P280: Wear protective gloves/protective clothing/eye protection/face protection. P410: Protect from sunlight. P420: Store away from other materials. P501: Dispose of contents/container to	It is classified in Division 5.2, Type C (UN 3103) in UNRTDG.	n/c	n/c	September, 2021		
m-note-299-84-3	O,O-Dimethyl O-2,4,5-trichlorophenyl phosphorothioate (Ronnel)	299-84-3	Specific target organ toxicity - Single exposure	Category 1 (nervous system, respiratory organs)	Health Hazard	Danger	H370: Causes damage to organs (nervous system, respiratory organs)	P101+P111: IF exposed or concerned: Call a POISON CENTER/doctor. P201: Do not breathe dust/fume/gas/mist/vapour/spray. P241: Wash ... thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P281: Specific protection (see ... on this label). P305: Store locked up. P501: Dispose of contents/container to	[Rationale for the Classification] Based on (1) to (4), it was classified in Category 1 (nervous system, respiratory organs). A new information source was used and the classification results were changed from the previous classification. [Evidence Data] (1) Veterinarians who used this substance or other organophosphorus pesticides in poorly ventilated areas had nausea, headache, and inflammation of the throat and facial skin (ACGH (7th, 2006), HSDH (Access on May 2020)). (2) Signs of toxicity in humans are nausea, vomiting, abdominal cramps, diarrhea, excessive salivation, headache, dizziness, arousal, weakness, rhinorrhea, chest tightness, blurred vision, tearing, ocular muscle spasm, ocular pain, mydriasis, loss of muscle coordination, slurring of speech, muscle tremor, mental confusion, and addiction (HSDH (Access on May 2020)). (3) Signs of toxicity in humans are difficulty in breathing, excessive secretion of saliva and respiratory tract mucus, cyanosis, pneumonia, rales, hypertension, random jerky movements, incontinence, convulsions, coma, disorder of the respiratory organs, respiratory muscle paralysis, and severe bronchoconstriction (HSDH (Access on May 2020)). (4) After oral administration of this substance (10 mg/kg/day) to a group of 21 patients with rash, 5 patients reported adverse reactions including nausea, weakness, blurred vision, and scurpious ulcers (HSDH (Access on May 2020)). [Reference Data, etc.] (5) Organophosphorus pesticides, such as this substance, are absorbed by all routes, including inhalation, ingestion, and dermal absorption. The toxicological effects of the organophosphorus pesticides are due to the inhibition of acetylcholinesterase in the nervous system, resulting in respiratory, myocardial, and neuromuscular	n/c	n/c	Category 1 (nervous system), Category 3 (Respirator & Irritation)	Health Hazard Exclamation mark	Danger Warning	H370: Causes damage to organs (nervous system, respiratory organs) H335: May cause respiratory irritation	Category 1 (nervous system), Category 3 (Respirator & Irritation)	H370: Causes damage to organs (nervous system, respiratory organs) H335: May cause respiratory irritation	P101+P111: IF exposed or concerned: Call a POISON CENTER/doctor. P201: Do not breathe dust/fume/gas/mist/vapour/spray. P241: Wash ... thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P281: Specific protection (see ... on this label). P305: Store locked up. P501: Dispose of contents/container to	[Rationale for the Classification] Based on (3) and (4), there was information that irritation to the respiratory organs was observed in humans. Based on (3) and (4), there was information that effects on the respiratory organs and lungs were observed in experimental animals at doses within the range for Category 1 and Category 2. Therefore, it was classified in Category 1 (respiratory organs). With the addition of new information sources (1) and (2), the classification result was changed from the previous classification. [Evidence Data] (1) It was reported that in humans exposed by inhalation to this substance at 75 ppm (equivalent to 0.264 mg/L), irritation to the eyes, nose, and lungs was observed (ACGH (7th, 2014)). (2) It was reported that in humans exposed to this substance at 70 ppm (250 mg/m <sup>3</sup> ) and 140 ppm (500 mg/m <sup>3</sup> ), irritation to the upper respiratory tract and conjunctiva was observed (Initial Risk Assessment Report (NITE, CERL, NEDO, 2008)). (3) In an inhalation exposure test of this substance with rats, mice, and hamsters, inflammation of the eyes and nose, and dyspnea were observed at 1.0 to 10.0 mg/L (within the range for Category 1 to Category 2). At or above 1.9 mg/L (within the range for Category 1), there were death cases, and in the animals that died, dilation and congestion of the heart, and congestion, hyperemia, and edema of the lungs were noted. Mottled lungs were observed in some of the animals at sacrifice (GRDS Dossier (2003)). (4) In an inhalation toxicity test of this substance with rats, dyspnea, diaphragmatic breathing, wheezing, breathing sounds, red and purulent eyes and nose, salivation, yellow skin, piloerection, hyperexcitability, tremor, and poor general condition were observed at 10.8 mg/L (within the range for Category 2) (MLK (DFP) (2010)). P211: Use only outdoors.	n/c	n/c	September, 2021