

## GHS Classification

**ID1358**

**CAS 175013-18-0**

### Physical Hazards

**N-[2-[1-(4-Chlorophenyl)-1H-pyrazole-3-yloxymethyl]phenyl]-N-methoxycarbamic acid methyl ester**

Date Classified: Oct. 23, 2006 (Environmental Hazards: Mar. 31, 2006)

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

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1 Explosives	Classification not possible	-	-	-	Classification not possible due to lack of data, though the substance contains nitrogen atoms adjacent to each other and N-O bonds as chemical groups with explosive properties present and has the oxygen balance calculated at -175.3, higher than -200 of the criteria.
2 Flammable gases	Not applicable	-	-	-	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	-	-	-	Solid (GHS definition)
7 Flammable solids	Classification not possible	-	-	-	No data available
8 Self-reactive substances and mixtures	Classification not possible	-	-	-	Classification not possible due to lack of data, though the substance contains nitrogen atoms adjacent to each other and N-O bonds as chemical groups with explosive or self-reactive properties present
9 Pyrophoric liquids	Not applicable	-	-	-	Solid (GHS definition)
10 Pyrophoric solids	Classification not possible	-	-	-	No data available
11 Self-heating substances and mixtures	Classification not possible	-	-	-	The test suitable for the solid with a melting point of 140 degC or less has not been established. (63.7 - 65.2 degC melting points)
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 metalloids(B, Si, P, Ge, As, Se, Sn, Sb, Te, Bi, Po, At).
13 Oxidizing liquids	Not applicable	-	-	-	Solid (GHS definition)
14 Oxidizing solids	Classification not possible	-	-	-	No data available
15 Organic peroxides	Not applicable	-	-	-	Organic compounds containing no -O-O- structure
16 Corrosive to metals	Classification not possible	-	-	-	Test methods applicable to solid substances are not available (Melting point: 63.7 tp 65.2degC)

### Health Hazards

Hazard class	Classification	symbol	signal word	hazard statement	Rational for the classification
1 Acute toxicity (oral)	Not classified	-	-	-	Not classified because of SPECIES: Rat; ENDPOINT: LD50; >5000 mg/kg; REFERENCE SOURCE: Agricultural Chemicals Registration Data
1 Acute toxicity (dermal)	Not classified	-	-	-	It was set as the outside of Category. Based on rat LD50 >2000mg/kg in the dermal administration test and that there was no death (Agricultural Chemical Registration Data).
1 Acute toxicity (inhalation: gas)	Not applicable	-	-	-	Solid (GHS definition)
1 Acute toxicity (inhalation: vapour)	Classification not possible	-	-	-	No data available
1 Acute toxicity (inhalation: dust, mist)	Category 3	Skull and crossbones	Danger	Toxic if inhaled	It was set as Category 3 based on rat LC50 = 0.58mg/L. (Agricultural Chemical Registration Data) that was a result of the inhalation study done by melting to a solvent in order to make it a diameter which can be inhaled.
2 Skin corrosion / irritation	Category 3	-	Warning	Causes mild skin irritation	It was set to category 3 according to the technological direction based on the statement that the average value of the marks of erythema was 1.8 and the average value of edema were 0.4 as a result of the skin stimulus examination using rabbits (Agricultural Chemical Registration Data).
3 Serious eye damage / eye irritation	Not classified	-	-	-	In the eye irritation tests using a rabbit, each average marks of the cornea and the iris in application 24 to 72 hours were 0.0, and ophthalmic grade are 1.7 in redness and 0.6 in the dropsy. And it was completely reversible in eight days (Agricultural Chemical Registration Data). So it was set as the outside of Category according to the technical indicator.
4 Respiratory/skin sensitization	respiratory sensitization: Classification not possible; Skin sensitization: Not possible	(Respiratory sensitization)-; (Skin sensitization)-	(Respiratory sensitization)-; (Skin sensitization)-	(Respiratory sensitization)-; (Skin sensitization)-	Respiratory sensitization: no data available. Skin sensitization: based on the description (Agricultural Chemical Registration Data) that it is negative, it carried out the outside of Category by the skin sensitivity test using a guinea pig.
5 Germ cell mutagenicity	Not classified	-	-	-	There is no result of human multi generation epidemiology, multi generation mutagenicity test, and germ cell in vivo mutagenicity test, and there is the description that it is negative in the somatic cell in vivo mutagenicity test (small core test using mouse erythrocytes) (Agricultural Chemical Registration Data). So it is classified as the out of the Category.

6	Carcinogenicity	Not classified	-	-	-	It carried out the outside of category based on the statement (Agricultural Chemical Registration Data) that there was no generating of the tumor relevant to the dose by the carcinogenicity tests using rats and mice.
7	Toxic to reproduction	Not classified	-	-	-	Although weight reduction of the dam animal was seen in the two-generation reproduction study using rats and the birth weight reduction of baby animals and the growth retardation resulting from the mother's weight reduction were seen, there was no effect on reproductive potential. Although there was the growth retardation in baby animals reflecting the low weight at birth, the animals grew normally with progress of time. So it was judged that there was no effect on and through lactation. Teratogenicity was not seen in the teratogenicity test of the rat/rabbit (Agricultural Chemical Registration Data). Based on the above information, it was set as "out of category".
8	Specific target organs/systemic toxicity following single exposure	Category 1 (nervous system)	Health hazard	Danger	Cause damage to organs (nervous system)	It was considered as Category 1 (nerve systems) based on the description (Agricultural Chemical Registration Data ), in a rat, at the dose within the range of guidance value in Category 1 (more than 0.31mg/L), closed eyelids, respiratory distress, panting, a breath sound, assuagement, squatting position, the irregularity of breathing, increased and intermittent, blood-like nasal discharge, eye closures, apathetic, escape, contamination of piloerection and hair were observed.
9	Specific target organs/systemic toxicity following repeated exposure	Category 2 (blood system, duodenum, liver)	Health hazard	Warning	May cause damage to organs (blood system, duodenum, liver) through prolonged or repeated exposure	An important common toxic phenomena of a rat, a mouse, and a dog is anemia. It was classified into Category 2 (blood systems, duodenum, liver) based on the description that duodenal mucosa hyperplasia, diffuse decreased fatty change of liver, hepatocyte hypertrophy, splenic histiocytoses, sinus extension increases, and increased extramedullary hematopoiesis were observed in a rat, with the given dose (more than 34.7 mg/kg) of guidance value within the limits of Category 2 (Agricultural Chemical Registration Data).
10	Aspiration hazard	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)	Category 1	Environment	Warning	Very toxic to aquatic life	It was classified into Category 1 from 96-hour LC50=0.019mg/L of fishes (Carp) (Agricultural Chemical Registration Data, 2003).
11 Hazardous to the aquatic environment (chronic)	Category 1	Environment	Warning	Very toxic to aquatic life with long lasting effects	Classified into Category 1, since acute toxicity was Category 1, and rapid degradability is unknown, though less bioaccumulative (BCF494 (Agricultural Chemical Registration Data, 1999)).