



## OXAMYL 10%GR

SDS No : SDS - 201B  
Revision : 0  
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### SECTION 1 - IDENTIFICATION

Product Name : OXAMYL 10%GR  
Active Ingredients : Oxamyl  
Synonim : *N,N-dimethyl-2-methylcarbamoyloxyimino-2-(methylthio)acetamide*  
Recommended use and restrictions on use : Insectiside  
Company Identification : PT Inti Everspring Indonesia  
Wisma UIC 4th floor, JL. Gatot Subroto Kav. 6-7  
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### SECTION 2 - HAZARDS IDENTIFICATION

**GHS Classification** :

Acute Toxicity (Oral)	Category 2
Acute Toxicity (Dermal)	Not classified
Acute Toxicity (Inhalation)	Category 3
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 1A
Specific target organ toxicity - Single exposure	Category 1
Specific target organ toxicity - Repeated exposure	Category 1
Hazardous to the Aquatic Environment- Long-term (chronic) Hazard	Category 1

**GHS Labelling Symbol (s)** :



**Signal Word** : Danger

**Hazard statements**

H300	Fatal if swallowed
H331	Toxic if inhaled
H341	Suspected of causing genetic defects
H350	May cause cancer
H370	Causes damage to organs (central nervous system)
H372	Cause damage to organs through prolonged or repeated exposure (respiratory system, immune system, kidney, systemic toxicity, nervous system)
H410	Very toxic to aquatic life with long lasting effects

**Precautionary Statements**

**Prevention**

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash thoroughly after handling
P270	Do not eat, drink, or smoke when using this product



P260 Do not breathe dust/fume/gas/mist/vapours/spray  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
 P271 Use only outdoors or in well ventilated area  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P273 Avoid release to the environment

**Precautionary Statements**

**Respons**  
 P301+P310 If swallowed: immediately call a poison center/ doctor  
 P314 Get medical advice/attention if you feel unwell  
 P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing  
 P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor  
 P308+P313 IF exposed or concerned: Get medical advice/attention  
 P311 Call a POISON ENTER/doctor  
 P321 Specific treatment (see on this label)  
 P330 Rinse mouth  
 P391 Collect spillage

**Precautionary Statements**

**Storage**  
 P405 Store locked up  
 P403+P233 Store in wellll ventilated place. Keep container tightly closed.

**Disposal**  
 P501 Dispose of contents/container in accordance with local regulations / regional / national / international

**Other Hazard**  
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**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS NO	CONCENTRATION (%)
<i>N,N-dimethyl-2-methylcarbamoyloxyimino-2-(methylthio) acetamide</i>	23135-22-0	10
Sand	14808-60-7	82
Other materials	-	8

**SECTION 4 - FIRST- AID MEASURES**

Eye : If concentrate is splashed in eyes, flush with running water for at least 15 minutes. Take to hospital without delay.

Skin : If spilt on the skin, remove contaminated clothing and wash affected areas of skin immediately. DO NOT Scrub the skin. Remove and wash contaminated clothing before re-use.

Ingestion : If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre or a doctor immediately.

Inhalation : If inhaled, remove from exposure and have patient lie down and keep quiet. If patient is not breathing, start artificial respiration immediately. Never give anything by mouth to an unconscious person. Call a physician if necessary.



**SECTION 5 - FIRE FIGHTING MEASURES**

- General Information : Firefighters must consider the nature of the product and use the poison face shields, full breathing apparatus and flame resistant clothing
- Extinguishing Media : Use water spray, dry chemical or carbon dioxide. Do not use high volume water jet.
- Specific Hazard of Fire : CO<sub>x</sub>, NO<sub>x</sub>

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Use Personal protective equipment.  
Prevent product from entering drains or water courses.  
Shovel or sweep up spills. Never return to container for reuse. Scoop into bags or boxes using plastic or aluminium shovel.  
Wash contaminated surfaces to remove any residues. Neutralise with solid sodium hydroxide at rate of 1 kg per 5 litres. Contaminated extinguishing water must be disposed of in accordance with official regulations.

**SECTION 7 - HANDLING AND STORAGE**

- Handling : Do not breathe vapour or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wash clothing after use. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.  
This product must be under the control of an approved handler at all times. This product must be tracked.
- Storage : Do not store near sources of sparks, flame or heat. Keep under lock and keep out of reach of unauthorised persons, children and animals. Store in its original labeled container in isolated, dry, cool and well-ventilated area. Not to be stored next to foodstuffs and water supplies. Local regulations should be complied with.

**SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION**

- Engineering control : Use only with adequate ventilation
- Personal Protective Equipment**
- Eye Protection : Safety goggles and protective eye
- Gloves : Chemical resistant gloves with nitrile rubber material
- Clothing Protection : Full protective clothing
- Respiratory Protection : Half mask with a particle filter FFP3 (EN149), in case of inadequate ventilation wear respiratory protection that recommended by NIOSH

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- 1 Physical Appearance : Granule
- 2 Color : Green
- 3 Odor : No smell
- 4 Odor Threshold : Not available
- 5 pH (1% ) : 3-7
- 6 Melting Point : Not available
- 7 Freezing Point : Not available
- 8 Boiling Point : Not available
- 9 Flash Point : Not available
- 10 The rate of Evaporation : Not available
- 11 Flammability : >23°C
- 12 Upper/lower flammability : Not available
- 13 Vapour Pressure : Not available
- 14 Molecular weight : 219.26
- 15 Decomposition temperature : Not available



16	Autoignition temperature	:	Not available
17	Viscosity	:	Not available
18	Bulk Density	:	0.768 gr/ml
19	Density relative	:	Not available
20	Water Solubility	:	229 g/l at 25 <sup>0</sup> C
21	Koefisien partition : n-octanol/water	:	Not available

**SECTION 10 - STABILITY AND REACTIVITY**

Reactivity	:	Not available
Stability	:	Decomposes under alkaline conditions or in presence of moisture. Sensitive to heat and light.
Hazardous Reaction under Specific Condition	:	Not available
Condition to Avoid	:	Heating can release hazardous gases. Under severe dusting condition material may form explosive mixtures in air
Incompatible material to avoid	:	No materials to be especially mentioned
Hazardous Product of Decomposition	:	No hazardous decomposition products if stored and handled as prescribed/ indicated
Hazardous Polymerization	:	Will not occur

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Acute Toxicity (oral) LD <sub>50</sub>	:	24.53 mg/kg Rat (ATEmix) In an acute oral toxicity test (2.5-20.0mg/kg ) and an acute inhalation toxicity test (0.020-0.090mg/L) symptoms indicating the effects on the central nervous system, such as clonic convulsions, salivation, lacrimation, ocular hemorrhage, spasms, becoming pale, protrusion of the eyeballs, facial spasms and dyspnea were observed in rats (Oxamyl technical).
Acute Toxicity (dermal) LD <sub>50</sub>	:	>2,000 mg/kg Rat (ATEmix)
Acute Toxicity (inhalation) LC <sub>50</sub>	:	0.55 mg/l Rat (ATEmix)
Subchronic toxicity (90 days) – Oxamyl technical	:	Based on the description that in 90-day oral toxicity study to rat with the dose (2.03-8.37 mg/kg) observed decreased weight gain, the abnormalities of haematologic and biochemical inspection items, change of organ weight, inhibition of a hemocyto and brain cholinesterase activity, tremors, and gait abnormality were observed (NITE-CHRIP, 2006)
Chronic Toxicity (2 years) -Sand	:	There is description that the respiratory system and the kidney are affected in humans, and it was classified into Category 1 (respiratory system, kidney) – NITE-CHRIP, 2006
Mutagenicity in germ cells	:	Suspected of causing genetic defects - NITE-CHRIP, 2006
Carcinogenicity (Sand)	:	IARC68 (1997) is classified into 1
Eye Irritation	:	Not irritating
Skin Irritation	:	Not irritating

**SECTION 12 - ECOLOGICAL INFORMATION****Acute Toxicity Oxamyl technical**

Fish - <i>Rainbow trout</i> (LC <sub>50</sub> 96 h)	:	4.2 mg/l
Daphnia - <i>Daphnia</i> (LC <sub>50</sub> 48 h)	:	0.319 mg/l



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Algae - <i>Green algae</i> (EC <sub>50</sub> 96 h)	: 3.3 mg/l
Bird - <i>Mallard Duck</i> (LD <sub>50</sub> )	: 3.83 mg/kg
Bio accumulation	: Low potential to bio-concentrate.
Persistence and degradation by environment	: Not readily biodegradable. Not persistent in soil or water
Soil Mobility	: Low mobility
Others adverse effect	: Not available

### SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal, storage or cleaning equipment should not be used to contaminate food, animal feed or water. Read extermination instructions listed on the product label. Products are very toxic to aquatic organisms with long lasting effects. Do not contaminate domestic water or other water sources. Disposal Containers / Packaging: Destroy empty container and dispose of / destroyed in accordance with local regulations. Never use second-hand containers for any purpose.

### SECTION 14 - TRANSPORT INFORMATION

#### DOT (US)

Proper shipping name	: CARBAMATE PESTICIDE, SOLID, TOXIC (Oxamyl)
Class Danger Transport	: 6.1
UN Number	: UN 2757
Packing Group	: II

#### IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

UN Number	: UN 2757
Class and Packing group	: 6.1 and II
Proper shipping name	: CARBAMATE PESTICIDE, SOLID, TOXIC (Oxamyl)
Marine Pollutant	: Yes (Oxamyl)

#### IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

UN Number	: UN 2757
Class and Packing group	: 6.1 and II
Proper shipping name	: CARBAMATE PESTICIDE, SOLID, TOXIC (Oxamyl)

### SECTION 15 - REGULATORY INFORMATION

Safety Data Sheet / Safety Data Sheet meets the regulations :

1. Regulation of the Minister of Industry of the Republic of Indonesian number 23 / M-INDPER / 4/2013
2. Minister of Indonesian Labour Decree No. Kep. 187/MEN/1999 about Hazardous Chemicals Control in the Workplace
3. GHS Building Blocks sixth revised edition

### SECTION 16 - OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

#### Reference:

1. Building Blocks sixth revised edition of the GHS
2. Regulation of the Minister of Industry of the Republic of Indonesian number 23 / M-INDPER/4/2013
3. FAO Specifications and Evaluations for Oxamyl. Oxamyl Technical. 2008
5. Manual Pesticide fifteenth Edition, C D S Tomlin, 2009 BCPC
4. National Institute of Technology and Evaluation Chemical Risk Information Platform (NITE-



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## **SAFETY DATA SHEET**



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- CHRIP). Quartz (Sand). Japan, 2006
5. National Institute of Technology and Evaluation Chemical Risk Information Platform (NITE-CHRIP). Oxamyl. Japan, 2006