SECTION 1 - IDENTIFICATION
- Product Name: MIPC 95 TC
- Active Ingredients: MIPC
- Synonym: 2-Isopropylphenyl N-methylcarbamate
- Recommended use and restrictions on use: Used for Active ingredients of Insecticide
- Company Identification: PT Inti Everspring Indonesia Wisma UIC 4th floor, JL. Gatot Subroto Kav. 6-7 Jakarta 12930, Indonesia
  - Tel. 62-21-57905245 ; Fax. 62-21-57905244

SECTION 2 - HAZARDS IDENTIFICATION
- GHS Classification:
  - Acute Toxicity (Oral): Category 3
  - Acute Toxicity (Dermal): Category 5
  - Acute Toxicity (Inhalation): Category 4
  - Serious Eye Damage/Eye Irritation: Category 2B
  - Skin Corrosion / Irritation: Category 3
  - Specific Target Organ Toxicity (Single Exposure): Category 1
  - Specific Target Organ Toxicity (Single Exposure): Category 2
  - Specific Target Organ Toxicity (Repeated Exposure): Category 1
  - Specific Target Organ Toxicity (Repeated Exposure): Category 2
  - Acute Aquatic Toxicity: Category 1
  - Chronic Aquatic Toxicity: Category 1
- GHS Labelling Symbol (s):
- Signal Word: Danger
- Hazard statements:
  - H301: Toxic if swallowed
  - H313: May be harmful in contact with skin
  - H332: Harmful if inhaled
  - H316: Causes mild skin irritation
  - H320: Causes eye irritation
  - H370: Causes damage to organs (nervous system)
  - H371: May cause damage to organs (Respiratory system)
  - H372: Causes damage to organs (blood system and liver) through prolonged or repeated exposure
  - H373: May cause damage to organs (kidney) through prolonged or repeated exposure
  - H400: Very toxic to aquatic life
  - H410: Very toxic to aquatic life with long lasting effects
Precautionary Statements

**Prevention**
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
P271 Use only outdoors or in well ventilated area
P273 Avoid release to the environment

**Precautionary Statements**

**Respons**
P301+P310 IF SWALLOWED: Immediately Call a POISON CENTER/doctor
P321 Specific treatment (see on this label)
P330 Rinse mouth
P302+P312 IF ON SKIN : Call a poison center/DOCTOR/ if you feel unwell
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 Call a POISON CENTER/doctor if you feel unwell
P332+P313 If skin irritation occurs : Get medical advice/attention
P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persist: Get medical advice/attention
P308+P311 IF exposed or concerned : call a POISON CENTER/doctor
P321 Specific treatment (see on this label)
P314 Get medical advice/attention if you feel unwell
P391 Collect spillage

**Precautionary Statements**

**Storage**
P405 Store locked up

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

**Other Hazard**

---

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

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NO</th>
<th>CONCENTRATION (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Isopropylphenyl N-methylcarbamate</td>
<td>2631-40-5</td>
<td>95</td>
</tr>
</tbody>
</table>

**SECTION 4 - FIRST- AID MEASURES**

**Eye**
IF IN EYES, rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin**
IF SPILLED 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. Call a poison center/DOCTOR/ if you feel unwell.

**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: Foam, dry chemical, carbon dioxide, or water spray

Specific Hazard of Fire: Irritating and toxic gas

SECTION 6 - ACCIDENTAL RELEASE MEASURES

If container is ruptured or begins to leak, place in a well-ventilated area free of sparks and ignition sources.

Use Personal protective equipment as recommended in section 8.

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. Pesticide that cannot be used according to label instructions must be disposed of according to all applicable Local, procedures.

SECTION 7 - HANDLING AND STORAGE

Handling: Do not handle until all safety precautions have been read and understood. Do not breathe dust, vapour or mist. This product causes mild irritation to skin and eye. Do not get in eyes or skin. 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. Apply grounding system for power tools to prevent static electric charge.

Personal Protective Equipment

Eye Protection: Safety glasses or face shield
Gloves: Chemical resistant gloves
Clothing Protection: Wear clothing with long sleeve
Respiratory Protection: Mask

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

1 Physical Appearance: Crystalline powder
2 Color: White
3 Odor: Not available
4 Odor Threshold: Not available
5 pH (1%): 8.6
6 Melting Point: Not available
7 Freezing Point: Not available
8 Boiling Point: 128-129 °C
9 Flash Point: Not available
10 The rate of Evaporation: Not available
11 Flammability: Not available
12 Lower Explosive Limit (LEL): Not available
13 Vapour Pressure: 2.8 mPa (20 °C)
14 Molecular weight : 193.27
15 Decomposition temperature : Not available
16 Autoignition temperature : Not available
17 Viscosity : Not available
18 Bulk Density : 0.3421
19 Density relative : 0.62
20 Solubility in water : 270 mg/l (20 °C)
21 Koefisien partition : n-octanol/water : Not available

SECTION 10 - STABILITY AND REACTIVITY
Reactivity : Not available
Stability : Not available
Hazardous Reaction under Specific Condition : Not available
Condition to Avoid : Unstable in alkaline material
Incompatible material to avoid : Irritating and toxic gas
Hazardous Polymerization : Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION
Acute Toxicity (oral) LD<sub>50</sub> : 188 mg/kg for male rats (Pesticide Manual, 2009)
178 mg/kg for female rats (Pesticide Manual, 2009)
In rat single dose toxicity studies, clinical signs and symptoms including reduced locomotor activity, crouching position, lateral position, staggering gait, and tremors were seen at dosing levels (NITE, 2006).

Acute Toxicity (dermal) LD<sub>50</sub> : >2000 mg/kg for rats (Pesticide Manual, 2009)
Acute Toxicity (inhalation) LC<sub>50</sub> : >2.09 mg/l for rats / 4 h (Pesticide Manual, 2009)
Subchronic toxicity (90 days) - Technical Material : Based on the evidence from animal studies including leukocytosis, anemia, changes in liver and kidney weights, small round cell infiltration of Glisson capsules, and renal interstitial cellular infiltration (NITE, 2006).

Mutagenicity in germ cells - Technical Material : Not mutagen
Carcinogenicity : No carcinogenic activity
Eye Irritation : Slightly irritant (Pesticide Manual, 2009)
Skin Irritation : Slightly irritant (Pesticide Manual, 2009)

SECTION 12 - ECOLOGICAL INFORMATION
Acute Toxicity
Fish - Golden orfe (LC<sub>50</sub> 96 h) : 20 – 40 mg/l
Daphnia - Daphnia Magna (LC<sub>50</sub> 48 h) : 0.024 mg/l
Algae – Pseudokirchneriella subcapitata (E<sub>50</sub>C<sub>50</sub> 72 h) : 21 mg/l
Bird - Mallard ducks (LD<sub>50</sub>) : 834 mg/kg
Bees : Harmful to honeybees
Bio accumulation : Not available
Persistence and degradation by environment : Not available
Soil Mobility : Soil DT50 (paddy field) 3 – 20 d. K<sub>oc</sub> 21-58
Others adverse effect : Harmful to honeybees
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 life 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 (MIPC Technical)
Class Danger Transport: 6.1
UN Number: UN 2757
Packing Group: III

IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)
UN Number: UN 2757
Class and Packing group: 6.1 and III
Proper shipping name: CARBAMATE PESTICIDE, SOLID, TOXIC (MIPC Technical)
Marine Pollutant: Yes (MIPC)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)
UN Number: UN 2757
Class and Packing group: 6.1 and III
Proper shipping name: CARBAMATE PESTICIDE, SOLID, TOXIC (MIPC Technical)

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
3. Building Blocks seventh revised edition of the GHS

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 seventh revised edition of the GHS
2. Regulation of the Minister of Industry of the Republic of Indonesian number 23 / M-INDPER / 4/2013