**SECTION 1 - IDENTIFICATION**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>AMITRAZ 20 EC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Ingredients</td>
<td>Amitraz</td>
</tr>
<tr>
<td>Synonym</td>
<td>N-methylbis(2,4-xylyliminomethyl)amine</td>
</tr>
<tr>
<td>Recommended use and</td>
<td>Insecticide</td>
</tr>
<tr>
<td>restrictions on use</td>
<td></td>
</tr>
<tr>
<td>Company Identification</td>
<td>PT Inti Everspring Indonesia</td>
</tr>
<tr>
<td></td>
<td>Wisma UIC 4th floor, JL. Gatot Subroto Kav. 6-7</td>
</tr>
<tr>
<td></td>
<td>Jakarta 12930, Indonesia</td>
</tr>
<tr>
<td></td>
<td>Tel. 62-21-57905245 ; Fax. 62-21-57905244</td>
</tr>
<tr>
<td>Emergency Telephone Number</td>
<td></td>
</tr>
<tr>
<td>Telephone</td>
<td>62-254-5750064 / 62-254-5750049</td>
</tr>
</tbody>
</table>

**SECTION 2 - HAZARDS IDENTIFICATION**

<table>
<thead>
<tr>
<th>GHS Classification</th>
<th>Acute Toxicity (Oral) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Acute Toxicity (Dermal) Not Toxic</td>
</tr>
<tr>
<td></td>
<td>Acute Toxicity (Inhalation) Category 5</td>
</tr>
<tr>
<td></td>
<td>Hazardous to the Aquatic Environment-Long-term (chronic) Hazard Category 2</td>
</tr>
<tr>
<td></td>
<td>Serious damage to eyes / irritation Category 2B</td>
</tr>
<tr>
<td></td>
<td>Flammable Liquid Category 3</td>
</tr>
</tbody>
</table>

**GHS Labelling Symbol (s)**

- !: Warning
- ☢: Flammable Liquid
- ☢: Flammable Liquid

**Signal Word**

- Warning

**Hazard statements**

<table>
<thead>
<tr>
<th>Hazard statement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H333</td>
<td>May be harmful if inhaled</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H226</td>
<td>Flammable liquid and vapour</td>
</tr>
<tr>
<td>H320</td>
<td>Causes eye irritation</td>
</tr>
</tbody>
</table>

**Precautionary Statements**

**Prevention**

- P264: Wash thoroughly after handling
- P270: Do not eat, drink, or smoke when using this product
- P273: Avoid release to the environment
- P210: Keep away from heat, hot surface, sparks, open flames and other ignition sources. No Smoking

**Respons**

- P301+P312: If swallowed: Call a Poison center/ doctor if you feel unwell
- P330: Rinse mouth
- P304+P312: If inhaled: Call a Poison center/ doctor if you feel unwell
- P303+P361+P353: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or...
Precautionary Statements

Storage
P403+P235 Store in well-ventilated place. Keep cool.

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>N-methylbis(2,4-xylyliminomethyl)amine</td>
<td>33089-61-1</td>
<td>20</td>
</tr>
<tr>
<td>Other material include Solvent and surfactant</td>
<td>-</td>
<td>80</td>
</tr>
</tbody>
</table>

SECTION 4 - FIRST-AID MEASURES

Eye: Open your eyes and wash carefully with plenty water continuously for 15-20 minutes. If the eyes are still irritated, contact a poison control center or doctor for further treatment.

Skin: Removed contaminated clothing. Wash the skin immediately with plenty water continuously for 15-20 minutes. Contact a poison control center or doctor for further treatment.

Ingestion: If swallowed DO NOT induce vomiting. Rinse mouth. Contact doctor.

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: Dry chemical, carbon dioxide, foam.

Hazardous Product of Decomposition: Toxic fumes

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolation spill area and restrictions on the entry. Absorb spill with absorbent material such as sand, wash and put in a container. Clean the spill area with detergent former and water, then rinse with clean water. Collect used washing water into the container. Do not allow spills contaminate sources of water / drainage, as well as surface water. Dispose of containers that contain the spill, a former washing water, and the former sand / other absorbent material in accordance with local regulations / national / international.
SECTION 7 - HANDLING AND STORAGE
Handling: Keep out of reach of children. Product causes eye irritation, avoid contact with eyes. Handling of the product in a place that has good ventilation and away from sources of ignition or heat. After handling product and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After use, wash gloves, goggles or a face shield, and contaminated clothing.
Storage: Store in the original container tightly closed in a dry and well ventilated. Do not store containers are damaged or leaking. Avoid sources of ignition. Keep away from foodstuffs and fodder. Keep out of reach of children. Perform periodic inspection of the stored products.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION
Engineering control: No special engineering controls are required
Personal Protective Equipment
Eye Protection: Safety goggles or fullface
Gloves: Chemical resistant gloves
Clothing Protection: Wear clothing with long sleeve
Respiratory Protection:

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
1. Physical Appearance: Liquid
2. Color: Clear Reddish brown
3. Odor: Foul smelling
4. Odor Threshold: Not available
5. pH (1%): 8-10
6. Melting Point: 86-88 °C
7. Freezing Point: Not available
8. Boiling Point: Not available
9. Flash Point: 60 °C
10. The rate of Evaporation: Not available
11. Flammability: Flammable liquid and vapour
12. Upper/lower flammability: Not available
13. Vapour Pressure: Not available
14. Molecular weight: Not available
15. Decomposition temperature: Not available
16. Autoignition temperature: 465 °C
17. Viscosity: Not available
18. Spesific Gravity: 0,92-0,94 g/cc
19. Density relative: 1,128 (20 °C)
20. Solubility: Not available

SECTION 10 - STABILITY AND REACTIVITY
Reactivity: Not available
Stability: Stable at normal temperature and storage condition.
Hazardous Reaction under Specific Condition: Not available
Condition to Avoid: Not available
Incompatible material to avoid: Avoid alkaline material
Hazardous Product of Decomposition: Toxic fumes
Hazardous Polymerization: Not available
SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity (oral) LD$_{50}$ : 1410 mg/kg mg/kg Rat
Acute Toxicity (dermal) LD$_{50}$ : 7280 mg/kg
Acute Toxicity (inhalation) LC$_{50}$ : 306,84 mg/l (ATEmix)

Subchronic toxicity (90 days) - Technical Material : Not available
Chronic Toxicity (2 years) - Technical Material : Not available
Mutagenicity in germ cells : No mutagenicity
Carcinogenicity : No carcinogenic activity
Eye Irritation : Slightly irritation
Skin Irritation : Not irritant

SECTION 12 - ECOLOGICAL INFORMATION

Acute Toxicity
Fish - Bluegill Sunfish (LC$_{50}$ 96 h) : 1,3 mg/l
Daphnia - Daphnia Magna (LC$_{50}$ 48 h) : 35 ppb

Persistence and degradation by environment : Rapid degradation in the soil containing Oxygen and acidic soils.

Soil Mobility : 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 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 ex containers for any purpose.

SECTION 14 - TRANSPORT INFORMATION

DOT (US)
Proper shipping name : Flammable liquid, n.o.s (Amitraz 20%)
Class Danger Transport : 3
UN Number : UN 1993
Packing Group : III

IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)
UN Number : Flammable liquid, n.o.s (Amitraz 20%)
Class and Packing group : UN 1993
Proper shipping name : 3 and III
Marine Pollutant : Yes (Amitraz)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)
UN Number : Flammable liquid, n.o.s (Amitraz 20%)
Class and Packing group : UN 1993
Proper shipping name : 3 and III
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 fifth 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 fifth revised edition of the GHS
2. Regulation of the Minister of Industry of the Republic of Indonesian number 23 / M-INDPER / 4/2013
3. Toxicity Data of Salim Agrochemical Group’s Product