PRODUCT SAFETY DATA SHEET OF THIAMETHOXAM 30 % FS

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Trade Name</th>
<th>CRUCIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Name</td>
<td>THIAMETHOXAM 30 % FS</td>
</tr>
<tr>
<td>Chemical Name:</td>
<td>3-[(2-Chloro-1,3-thiazol-5-yl)methyl]-5-methyl-N-nitro-1,3,5-oxadiazinan-4-imine</td>
</tr>
<tr>
<td>Formula</td>
<td>C₈H₁₀ClN₅O₃S</td>
</tr>
<tr>
<td>Supplier</td>
<td>CHEMETWETS &amp; FLOWS PVT.LTD</td>
</tr>
<tr>
<td></td>
<td>Plot no.129/c/2, GIDC Estate, Ankleshwar_393002</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>CHEMETWETS &amp; FLOWS PVT.LTD</td>
</tr>
<tr>
<td></td>
<td>Plot no.129/c/2, GIDC Estate, Ankleshwar_393002</td>
</tr>
<tr>
<td>Emergency Phone No</td>
<td>02646-239490</td>
</tr>
<tr>
<td>Fax No</td>
<td>02646-220254</td>
</tr>
<tr>
<td>Environmental, Health and Safety Department</td>
<td>02646-239490</td>
</tr>
<tr>
<td></td>
<td>02646-220254</td>
</tr>
<tr>
<td>Email id</td>
<td><a href="mailto:chemetank@gmail.com">chemetank@gmail.com</a></td>
</tr>
</tbody>
</table>

2. COMPOSITION INFORMATION OF INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS NO</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiamethoxam FS</td>
<td>153719-23-4</td>
<td>30%</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION SUMMARY

- Causes mild skin irritation.
- Very toxic to aquatic life with long lasting effects.

4. FIRST AID MEASURES

General advice

Have the product container, label or Material Safety Data Sheet with you when calling emergency number,
a poison control center or physician, or going for treatment.

Inhalation

Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.

Skin contact

Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

Medical advice

There is no specific antidote available. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Extinguishing media - small fires Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Extinguishing media - large fires Alcohol-resistant foam or Water spray.

Extinguishing media which shall not be used for safety reasons

Do not uses a solid water stream as it may scatter and spread fire.

Specific hazards during fire fighting

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health.

Special protective equipment for firefighters

Wear full protective clothing and self-contained breathing apparatus.

Further information

Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.
6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**
Avoid dust formation.

**Environmental precautions**
Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up**

Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations. Do not create a powder cloud by using a brush or compressed air. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

**HANDLING**

No special protective measures against fire required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see section 8.

**STORAGE**

No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Personal Protection Equipment**

**Protective measures**

The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

**Respiratory protection**

No personal respiratory protective equipment normally required. A particulate filter respirator may be necessary until effective technical measures are installed.

**Hand protection**

Chemical resistant gloves are not usually required. Select gloves based on the physical job requirements.

**Eye protection**

Eye protection is not usually required. Follow any site specific eye protection policies.

**Skin and body protection**
No special protective equipment required. Select skin and body protection based on the physical job requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>light red to dark red</td>
</tr>
<tr>
<td>pH</td>
<td>4 - 8 at 1 % w/v</td>
</tr>
<tr>
<td>Density</td>
<td>1.1785 g/cm³ at 20 - 25 °C</td>
</tr>
<tr>
<td>Miscibility</td>
<td>Miscible</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Hazardous decomposition products

Combustion or thermal decomposition will evolve toxic and irritant vapors.

Hazardous reactions

None known. Hazardous polymerization does not occur. Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin irritation</td>
<td>Rabbit: Mildly Irritating</td>
</tr>
<tr>
<td>Eye irritation</td>
<td>Rabbit: Practically non-irritating.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>Guinea pig: Not a skin sensitizer in animal tests.</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

No Data Available.

13. DISPOSAL CONSIDERATION

Product

Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging
Empty remaining contents. Triple rinse containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers

14. TRANSPORT INFORMATION

Transport By AIR/SEA/Road

| UN-Number | 3082 |
| Class     | 9    |
| Packaging group | III |

15. REGULATORY INFORMATION

Not available.

16. OTHER INFORMATION

NONE.

DISCLAIMER

All reasonable care has been exercised in processing your request for information on the chemical listed in this Material Safety Data Sheet. No warranty is made, either expressed or implied and Perisseuma Projects does not hold itself liable for any injury, illness, loss or misinterpretation arising from the use of this data. CHEMET WETS & FLOWS P.LTD makes no warranty expressed or implied in respect of the adequacy of this document for any particular purpose.

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