

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – IDENTIFICATION OF PRODUCT & COMPANY

**Product Name:** No-Flies 1% GR

**Active Ingredient:** Azamethiphos

**Chemical Name:** S-[(6-chloro-3-dimethoxyphosphinoylthiomethyl-1,3-oxazolo[4,5-b]pyridine-2(3H)-one

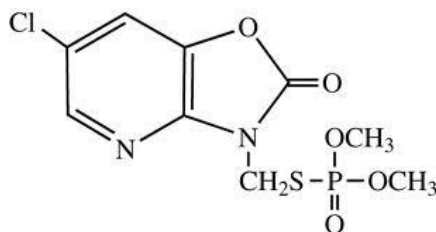
**Chemical Type (Organophosphate, Carbamate, Pyridil, etc):** Organophosphate

**Formulation (WP, EC, FG, DP, GB, etc)/Concentration (g/l, g/kg):** Azamethiphos 1% GR

**Molecular weight:** 324.7

**Molecular formula:** C<sub>9</sub>H<sub>10</sub>ClN<sub>2</sub>O<sub>5</sub>PS

**Structural formula:**



**Use Category (Insecticide, Herbicide, Fungicide, others.):** Insecticide

**Mode of action (Contact, Stomach, Systemic, etc.):** Contact and stomach action. Gives rapid knockdown and has good residual activity.

**CAS Number:** 35575-96-3

**Classification by Hazard (WHO Classification):** W.H.O III

## COMPANY DETAILS

Company name: Changzhou Eastchem International Ltd

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## **SECTION 2 – COMPOSITION**

<b>Ingredients</b>	<b>CAS No.</b>	<b>Content %</b>
Azamethiphos	35575-96-3	1
Others	-	99
<b>Total</b>		<b>100%</b>

## **SECTION 3 – PHYSICAL & CHEMICAL PROPERTIES**

1. **Appearance/Form:** Crystals
2. **Odour:** Slightly offensive
3. **Colour:** Reddish yellow
4. **PH (1% solution):** NA
5. **Boiling Point:** NA
6. **Flash Point:** NA
7. **Density:** 1.6
8. **Solubility in water:** Soluble

## **SECTION 4 – HAZARD IDENTIFICATION**

Eye: Causes eye irritation.

Skin: Causes skin irritation. Harmful if absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. Toxic if swallowed.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

## **SECTION 5 – FIRST AID MEASURES**

Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.

Ingestion: Get medical aid immediately. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

## **SECTION 6 – FIRE FIGHTING MEASURES**

General Information: Wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam

## **SECTION 7 – ACCIDENTAL RELEASE MEASURES**

General Information: Use proper personal protective equipment.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

## **SECTION 8 – HANDLING & STORAGE**

Handling: Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Avoid contact with skin and eyes. Wash thoroughly after handling. Mechanical exhaust required.

Storage: Store in a cool, dry well ventilated place away from sources of heat and incompatible substances. Keep container tightly closed when not in use.

## **SECTION 9 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## **SECTION 10 – STABILITY & REACTIVITY**

Chemical Stability: Stable under normal temperatures and pressures.

Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, oxides of sulfur, phosphorus oxides.

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

Acute Oral Toxicity: LD<sub>50</sub> (rat) 1180 mg/kg

Acute Dermal Toxicity: LD<sub>50</sub> (rat) > 2150 mg/kg

Acute Inhalation Toxicity: LC<sub>50</sub> (rat) > 560 mg/m<sup>3</sup> air (4 h)

Skin Irritation: Non irritant. (rabbit)

Eye Irritation: Mildly irritant. (rabbit)

Sensitization: Non-sensitizing. (guinea pig)

## **SECTION 12 – ECOLOGICAL INFORMATION**

Not Available

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

## **SECTION 14 – TRANSPORT INFORMATION**

**IATA, IMO, RID/ADR:** This substance is considered to be non-hazardous for transport.

## **SECTION 15 – REGULATORY INFORMATION**

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Indication of Danger: Irritant

Risk Phrases: R 22: Harmful if swallowed.

R 36: Irritating to the eyes.

Safety Phrases: S 24/25: Avoid contact with skin and eyes.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

WGK (Water Danger/Protection)

CAS#35575-96-3: 3

Canada

CAS#35575-96-3: Not available

US Federal

TSCA

CAS# 35575-96-3 is not listed on the TSCA Inventory. It is for research and development use only.

## **SECTION 16 – OTHER INFORMATION**

The above information is believed to be accurate and represents the best knowledge available to us currently. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall PI Chemicals, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, even if PI Chemicals has been advised of the possibility of such damages.

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