

**SAFETY DATA SHEET**

In accordance with Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

**Product Name** Cyazofamid Technical

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** Preparation of Fungicide formulations

**1.3. Details of the supplier of the safety data sheet**

**Supplier Name &Address** CROPNOSYS INDIA PVT. LTD  
Plot No. 5303, GIDC Estate, Phase IV, Vapi, District - Valsad  
PIN- 396195, Gujarat, INDIA

**Tel No.** +91 22 652 26797

For further information, please contact

**Email address** info@cropnosysindia.com  
**Website** www.cropnosysindia.com

**1.4. Emergency telephone number**

**Emergency Telephone** +91 22 652 26797

**Section 2: HAZARD IDENTIFICATION****2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Acute aquatic toxicity (Category 1), H400  
Chronic aquatic toxicity (Category 1), H410

H400: Very toxic to aquatic organisms,  
H410: Very toxic to aquatic life with long lasting effects.

## 2.2. Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



GHS07

### Hazard statement(s)

H302 Harmful if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

### Precautionary statement(s)

P273 Avoid release to the environment.

P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statements : none

## 2.3 Other hazards - none

## Section 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS-No. Index-No.	Classification	Content
Cyazofamid Technical Mol. Weight: 324.79 Mol. Formula: C <sub>13</sub> H <sub>13</sub> ClN <sub>4</sub> O <sub>2</sub> S	120116-88-3 616-166-00-8	Aquatic Acute 1; H400, Aquatic Chronic 1; H410 M-Factor - Aquatic Acute: 10	95.00% min

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>In case of skin contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In case of eye contact</b>	Flush eyes with water as a precaution.
<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed** Refer Section 11 or 2.2

**Indication of any immediate medical attention and special treatment needed** No data available

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides

**Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Further information**

no data available

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 6.3. Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4. Reference to other sections

For disposal see section 13.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**7.3. Specific end uses**

No data available

**Section8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Exposure controls****Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

**Personal protective equipment****Eye/face protection**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal Technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

**Wash and dry hands.**

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body Protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

a) Appearance	white powder
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	4.9 at 25° C
e) Melting point	152.7° C
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	Not highly flammable
j) Upper/lower flammability or explosive limits	Not available
k) Vapour pressure	< 1.33 10 <sup>-5</sup> Pa at 35°C
l) Vapour density	No data available
m) Relative density	1.446
n) Water solubility	pH 7: 0.107 mg/L
o) Partition coefficient: n-octanol/water	Log P <sub>ow</sub> = 3.2
p) Autoignition temperature	Not auto-flammable
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	not explosive
t) Oxidizing properties	not Oxidising

**Other safety information**

No data available

**Section 10. STABILITY AND REACTIVITY****Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

No data available

**Incompatible materials**

No data available

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides Other decomposition products - No data available  
In the event of fire: see section 5

## Section 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute toxicity

LD50 Oral - rat - 5000 mg/kg  
LC50 Inhalation - rat - 5.5 mg/l (rat, whole-body exposure)  
LD50 Dermal - rat - > 2.000 mg/kg

#### Skin corrosion/irritation

Non Irritant

#### Serious eye damage/eye irritation

Non irritant

#### Respiratory or skin sensitization

Non Sensitizer

#### Germ cell mutagenicity

No genotoxic potential relevant to humans

#### Carcinogenicity

Not carcinogenic in rat and in mouse.

#### Reproductive toxicity

Reproductive NOAEL > 936 mg/kg bw per day

#### Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available

## Section 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Birds	: LD <sub>50</sub> for <i>Colinus virginianus</i> >2000 mg/kg
Fish	: LC <sub>50</sub> (96 h) for <i>Oncorhynchus mykiss</i> >0.107mg/L
Daphnia	: LC <sub>50</sub> (48 hrs) >0.107mg/L
Algae	: EC <sub>50</sub> (72 h) for <i>Selenastrum capricornutum</i> 0.027 mg/L
Bees	: Practically non-toxic (LD50= >100 µg ai/bee)

### Persistence and degradability

low persistence and not readily biodegradable.

### Bio-accumulative potential

No potential for body accumulation

**Mobility in soil**

Low mobility.

**Results of PBT and vPvB assessment**

No data available

**Other adverse effects**

Very toxic to aquatic life.

**Section 13: DISPOSAL CONSIDERATIONS****Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product..

**Section 14: TRANSPORT CONSIDERATIONS****UN number**

ADR/RID	:	3077
IMDG	:	3077
IATA	:	3077

**UN proper shipping name**

ADR/RID	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cyazofamid)
IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cyazofamid)
IATA	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cyazofamid)

**Transport hazard class(es)**

ADR/RID	:	9
IMDG	:	9
IATA	:	9

**Packaging group**

ADR/RID	:	III
IMDG	:	III
IATA	:	III

**Environmental hazards**

ADR/RID	:	Yes
IMDG Marine pollutant:		Yes
IATA	:	Yes

**Special precautions for user :** None

**Further information****Section 15: REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

**Section 16: OTHER INFORMATION****Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

