

## CM 23288 – PACLOBUTRAZOL

### SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: PACLOBUTRAZOL  
Product Code: CM 23288  
CAS#: 76738-62-0  
Synonym: Not available  
Chemical Name: Not available  
Chemical Formula:  $C_{15}H_{20}ClN_3O$   
Molecular weight: 293.80

### SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition: Not available  
Name: PACLOBUTRAZOL  
Chemical Formula:  $C_{15}H_{20}ClN_3O$   
Molecular weight: 293.80

### SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Flammable solids, Category 1 H228: Flammable solid.  
Acute toxicity, Category 4 H302: Harmful if swallowed.  
Acute toxicity, Category 4 H332: Harmful if inhaled.  
Eye irritation, Category 2 H319: Causes serious eye irritation.  
Reproductive toxicity, Category 2 H361: Suspected of damaging fertility or the unborn child.  
Short-term (acute) aquatic hazard, Category 1 H400: Very toxic to aquatic life.  
Long-term (chronic) aquatic hazard, Category 1 H410: Very toxic to aquatic life with long lasting effects.

Other hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher. Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 4: FIRSTAID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact: Wash off immediately with soap and plenty of water. Cover the irritated skin with emollient. Immediate medical attention is required.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not Available.

Ingestion: Do Not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.



**SECTION 5: FIRE FIGHTING MEASURES**

Suitable extinguishing media

Suitable extinguishing media : Dry powder, Foam, Water spray, Carbon dioxide (CO<sub>2</sub>)

Special hazards arising from the substance or mixture : No data available.

Carbon oxides

Nitrogen oxides (NO<sub>x</sub>)

Hydrogen chloride gas

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation.

Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

**SECTION 7: HANDLING AND STORAGE**

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Storage conditions:

Tightly closed. Dry

Storage class (TRGS 510) : 4.1B

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eye/face protection

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.

Respiratory protection

Respiratory protection is not required. If protection from nuisance levels of dusts are desired, use type N95 or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical state and appearance	:	White colour powder.
Odor	:	Not available
Color	:	White
Molecular Weight	:	Not available
pH	:	Not available



Boiling Point	:	Not available
Melting Point	:	164 – 166°C
Critical Temperature	:	Not available
Specific Gravity	:	Not available
Vapor Pressure	:	Not available
Vapor Density	:	Not available
Volatility	:	Not available
Odor Threshold	:	Not available
Water/Oil Dist. Coeff.	:	Not available
Ionicity (in Water)	:	Not available
Dispersion Properties	:	Not available
Solubility	:	Not available

#### SECTION 10: STABILITY AND REACTIVITY DATA

Stability: The product is chemically stable under standard ambient conditions (room temperature).

Instability Temperature: Not available

Conditions of Instability: Not available

Incompatibility with various substances: Not available

Special Remarks on Corrosivity: Non-corrosive.

Special Remarks on Reactivity: Not available

Possibility of hazardous reactions: Not available

Hazardous decomposition products: In case of fire refer section 5

#### SECTION 11: TOXICOLOGICAL INFORMATION.

Acute Toxicity: No data available

Toxicity to Animals: No data available

Chronic Effects on Humans: Not available

Other Toxic Effects on Humans: No data available

Special Remarks on Toxicity to Animals: Not available

Special Remarks on other Toxic Effects on Humans: Not available

Potential Health: No data available

#### SECTION 12: ECOLOGICAL INFORMATION

Acute Toxicity :

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 27,8 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates :

Acute oral toxicity : 1300 mg/kg (rat)

Eco toxicity: No data available

Products of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available

Special Remarks on the Products of Biodegradation: Not Available

#### SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### SECTION 14: TRANSPORT INFORMATION



UN number:

ADR/RID: 1325

IMDG: 1325

IATA: 1325

UN proper shipping name

ADR/RID: FLAMMABLE SOLID, ORGANIC, N.O.S.

IMDG: FLAMMABLE SOLID, ORGANIC, N.O.S.

IATA: Flammable solid, organic, n.o.s.

Transport hazard class (es):

ADR/RID: 4.1

IMDG:4.1

IATA: 4.1

Packaging group: II

ADR/RID: II

IMDG:

IATA:

Environmental hazards: No

ADR/RID: II

IMDG Marinepollutant:

IATA:

**SECTION 15: OTHER REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

Not available.

Regulation (EC) No 850/2004 on persistent organic pollutants : Not available.

Water hazard class (Germany) : WGK 3 highly hazardous to water Classification according to AwSV, Annex 1 (5.2)

Chemical Safety Assessment: Not available.

**SECTION 16: OTHER INFORMATION**

References: Not available.

Other Special Considerations: Not available.

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user 's obligation to investigate and determine the suitability of the information for their particular purpose.

