MATERIAL SAFETY DATA SHEET

Email: *sales@clearsynth.com, info@clearsynth.com*

SECTION-1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : Phenylbutazone
Catalogue Number : CS-O-30729
Company Identification : Clearsynth Labs ltd.
17, Lotus Business Park ,
New Link Road, Andheri (W),
Mumbai-400 053, INDIA
For emergencies call : +91-22-245045945
Recommended use : Laboratory chemicals and Manufacture of substances

SECTION-2: HAZARDS IDENTIFICATION

GHS Hazards Classification:

Acute Toxicity, Oral (Category 3)
Acute Toxicity, Inhalation (Category 4)
Acute Toxicity, Dermal (Category 4)
Skin Irritation (Category 2)
Serious Eye Irritation (Category 2A)
Specific Target Organ Toxicity, Single Exposure; Respiratory Tract Irritation (Category 3)

GHS label elements and hazardous statements:

Pictogram:



Signal Word: Danger

Hazard statement(s):

H301	: Toxic if swallowed
H332	: Harmful if inhaled
H312	: Harmful in contact with skin
H315	: Causes skin irritation
H319	: Causes serious eye irritation
H335	: May cause respiratory irritation.

GHS Precautionary Statements:

P261	: Avoid breathing dust/fume/gas/mist/vapours/spray
P280	: Wear protective gloves/protective clothing/eye protection/face protection
P302/P352	: IF ON SKIN: Wash with plenty of soap and water
P301/P310	: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P305/P351/P338	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazards not otherwise classified (HNOC) or not covered by GHS:

No data available.

SECTION-3: COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : No data available
CAS Number : 50-33-9
Molecular formula : $C_{19}H_{20}N_2O_2$
Molecular weight : 308.37 g/mol.

SECTION-4: FIRST AID MEASURES

Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact: Wash off with soap and plenty of water. Consult a physician.
In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION-5: FIRE FIGHTING MEASURES

Suitable Extinguishing media

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

Chemical hazards from arising from substance fire

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Advice for firefighters

Wear self-contained breathing apparatus and full protective gear to prevent contact with skin and eyes.

SECTION-6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as indicated in Section 8. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Do not let product enter drains or water sources.

Cleaning up of Spills/Leaks

Vacuum or sweep up material and place into suitable disposal container without creating dust.

SECTION-7: HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes, skin, and clothing.
Avoid ingestion and inhalation.
Keep away from sources of ignition.

Storage

Keep container tightly closed.
Store at 2-8˚C.

SECTION-8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal Protective Equipment

Eyes: Wear safety glasses and chemical goggles if splashing is possible.
Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.
Clothing: Wear appropriate protective clothing to minimize contact with skin.
Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Powder
Color	:	White
Odor	:	No data available.
pH	:	No data available.
Vapor Pressure	:	No data available.
Viscosity	:	No data available.
Boiling Point	:	No data available.
Melting Point	:	105-106°C.
Auto ignition Temperature	:	No data available.
Flash Point	:	No data available.
Explosion Limits, lower	:	No data available.
Explosion Limits, upper	:	No data available.
Decomposition Temperature	:	No data available.
Loss on Drying	:	No data available.
Specific Gravity/Density	:	No data available.
Solubility	:	Water

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage conditions

Conditions to Avoid

No data available.

Incompatibilities with Other Materials

Strong oxidizing agents, strong bases

Hazardous Decomposition Products

No data available.

Hazardous Polymerization

No data available.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	**:** Oral LD50: Rat - 245 mg/kg Inhalation LC50: No data available. Dermal LD50: No data available..
Skin irritation/corrosion	**:** Moderate skin irritant.
Eye damage/irritation	**:** Moderate eye irritant.
Respiratory or skin sensitization	**:** No data available.
Germ cell mutagenicity	**:** No data available.
Carcinogenicity	**:** Limited evidence of a carcinogenic effect. This compound has been designated as Group 3: Not classifiable as to its carcinogenicity in humans.
Reproductive toxicity	**:** No data available.
Special Remarks on other toxic Effects on Humans	**:** No data available.
Routes of Exposure	**:** Inhalation, Eye contact, Ingestion, Skin contact.

SECTION 12 – ECOLOGICAL INFORMATION

No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose in a manner consistent with country, state and local regulations. Product is not to be disposed of in sanitary sewers, storm sewers, or landfills. Contact a licensed professional waste disposal service to dispose of this material.

SECTION 14 – TRANSPORT INFORMATION

UN Number:

DOT (US)	: 2811.
IATA	: 2811.
IMDG	: 2811.
ADR/RID	: 2811.

UN Proper Shipping Name:

DOT (US)/IATA	: TOXIC SOLIDS, ORGANIC, N.O.S. (Phenylbutazone).
IMDG/ADR/RID	: TOXIC SOLIDS, ORGANIC, N.O.S. (Phenylbutazone).

Transport Hazard Class (es):

DOT (US)	: 6.1.
IATA	: 6.1.
IMDG	: 6.1.
ADR/RID	: 6.1.

Packing Group:

DOT (US)	: III.
IATA	: III.
IMDG	: III.
ADR/RID	: III.

Environmental Hazards:

DOT (US)	: None.
IATA	: None.
IMDG	: None.

SECTION 15 – REGULATORY INFORMATION

This safety data sheet complies with the requirements OHSAS 18001:2007.

SECTION 16 – ADDITIONAL INFORMATION

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. 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 the company 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. Howsoever arising, even if the company has been advised of the possibility of such damages.

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