

Material Safety Data Sheet
PHENYLBUTAZONE

SECTION 1 - CHEMICAL PRODUCT

DATE PREPARED: JUNE 2002
CHEMTREC: 800-424-9300
PRODUCT NUMBER: 40107

PRODUCT NAME: PHENYLBUTAZONE
SYNONYMS: 4-BUTYL-1,2-DIPHENYL-3,5-PYRAZOLIDINEDIONE
FORMULA: C₁₉H₂₀N₂O₂
CAS NUMBER: 50-33-9

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CASE NUMBER
Phenylbutazone	50-33-9

SECTION 3 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:
..... Solid.
..... Harmful.
..... Irritant.
..... May cause allergic respiratory and skin reactions.
..... To the best of our knowledge, the complete toxicological properties have not been thoroughly investigated.

PHYSICAL HAZARDS: N/A

POTENTIAL HEALTH EFFECTS:
..... **Inhalation:** Harmful by inhalation. Material is irritating to the mucous membranes and upper respiratory tract.
..... **Eye Contact:** Material causes eye irritation.
..... **Skin Contact:** Harmful by skin absorption. Material causes skin irritation.
..... **Ingestion:** Harmful by ingestion.

Overview: Harmful by ingestion, inhalation or skin absorption. Material is irritating to the eyes, skin, mucous membranes and upper respiratory tract. Harmful solid. Irritant. May cause allergic respiratory and skin reactions. To the best of our knowledge, the complete toxicological properties have not been thoroughly investigated.

SECTION 4 - FIRST AID MEASURES

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INHALATION: Remove to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult give oxygen. Call a physician.

EYES CONTACT: Immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Call a physician.

SKIN CONTACT: Immediately wash skin with soap and copious amounts of water while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician.

INGESTION: Wash mouth out with water and call a physician. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE - FIGHTING MEASURES

EXTINGUISHING MEDIA: Water Spray. Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL FIRE FIGHTING PROCEDURES: If excessive smoke or fumes are encountered, wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE/EXPLOSION HAZARDS: Emits toxic fumes of carbon monoxide, carbon dioxide, and nitrogen oxides under fire conditions

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS:

- Evacuate area.
- Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
- Sweep up, place in a bag and hold for waste disposal.
- Avoid raising dust.
- Ventilate area and wash spill site after material pickup is complete.

SECTION 7 - HANDLING AND STORAGE

Safety shower and eye bath. Use only in a well-ventilated area. Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Harmful. Irritant. Wash thoroughly after handling. Keep containers tightly closed.

SECTION 8 - EXPOSURE CONTROLS & PERSONAL PROTECTION

RESPIRATORY PROTECTION: NIOSH/MSHA-approved respirator.

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PROTECTIVE CLOTHING: Compatible chemical-resistant gloves, chemical safety goggles and other protective clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Solid.
BOILING POINT: No information.
MELTING POINT: 106°C - 108°C
VAPOR PRESSURE: No information.
VAPOR DENSITY (AIR=1): No information.
SPECIFIC GRAVITY: No information.
SOLUBILITY IN WATER: No information.
REACTIVITY IN WATER: No information.
FLASHPOINT: No information.
FLAMMABLE LIMITS: LEL N/A UEL N/A
AUTOIGNITION TEMPERATURE: No information.

SECTION 10 - STABILITY AND REACTIVITY DATA

STABILITY: Stable.
INCOMPATIBILITY: Strong oxidizing agents, strong acids, and strong bases.
HAZARDOUS DECOMPOSITION: Toxic fumes of carbon monoxide, carbon dioxide, and nitrogen oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY: LC₅₀ (inh, rat): No information.
LD₅₀ (oral, rat): No information.
TARGET ORGAN(S): Bone Marrow, G.I. System, Blood, Thyroid, Liver, and Kidneys.

POTENTIAL HEALTH EFFECTS:

..... **Inhalation:** May be harmful by inhalation. Material is irritating to the mucous membranes and upper respiratory tract.
..... **Eye Contact:** Material causes eye irritation.
..... **Skin Contact:** May be harmful by skin absorption. Material causes skin irritation.
..... **Ingestion:** Harmful by ingestion.

SECTION 12 - ECOLOGICAL INFORMATION

..... **Biodegradability:** No information.
..... **Aquatic Toxicity:** No information.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations.
..... Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

SECTION 14 - TRANSPORTATION DATA

U.S. DOT 49 CFR 172.101:

PROPER SHIPPING NAME: Chemicals n.o.s.

HAZARD CLASS AND LABEL: N/A

ID NUMBER: N/A

PACKAGING GROUP: N/A

SPECIAL PROVISIONS: N/A

LAND TRANSPORT ADR/RID:

PROPER SHIPPING NAME: Chemicals, n.o.s.

ADR/RID CLASS AND LABEL: N/A

UN NUMBER: N/A

PACKAGINGGROUP: N/A

AIR TRANSPORT IATA/ICAO:

PROPER SHIPPING NAME: Chemicals, n.o.s.

IATA/ICAO CLASS AND LABEL: N/A

UN/ID NUMBER: N/A

PACKAGING GROUP: N/A

MARITIME TRANSPORT:

PROPER SHIPPING NAME: Chemicals, n.o.s.

IMDG CLASS AND LABEL: N/A

UN NUMBER: N/A

PACKAGING GROUP: N/A

SECTION 15 - REGULATORY INFORMATION

TSCA= This chemical is listed on the TSCA Inventory

EINECS= 200-029-0

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