

SAFETY DATA SHEET

Section 1 – Product Information

- **Product Name:** 2-(2-Oxo-4-phenylpyrrolidin-1-yl)acetohydrazide
- **Product Number:** CAS#: 77472-71-0
- **Identified Uses:** Laboratory chemical, Manufacturing
- **Company name:** Albochemicals LLC
- **Company website:** <http://www.albochem.com>
- **Address:** Albochemicals LLC, 8 The Green STE10911 Dover, DE 19901
- **Email:** onlinestore@albochem.com

Section 2 - Hazards Identification

- **2.1 Classification of the substance or mixture:**
 - GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
 - Acute toxicity, oral (Category 4), H302
 - Skin corrosion/irritation (Category 2), H315
 - Serious eye damage/eye irritation (Category 2), H319
 - Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3), H335
- **2.2 GHS Label elements:** Signal word: Warning.
 - **Hazard statement(s):** H302 Harmful if swallowed, H315 Causes skin irritation, H319 Causes serious eye irritation, H335 May cause respiratory irritation.
 - **Precautionary statement(s):** P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection.
- **2.3 Hazards not otherwise classified (HNOC):** none.

Section 3 - Composition/Information on Ingredient

- **Composition:** 2-Oxo-4-phenylpyrrolidine-1-acetic acid hydrazide
- **Synonyms:** Phenylpiracetam Hydrazide, Fonturacetam hydrazide
- **Formula:** C₁₂H₁₅N₃O₂
- **CAS:** 77472-71-0
- **Inactive ingredients:** N/A

Section 4 - First aid measures

- **General advice:** Consult a physician. Move out of dangerous area.
- **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:** Flush eyes with water as a precaution.
- **If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 - Firefighting measures

- **5.1 Extinguishing media:** Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- **5.2 Special hazards arising from the substance or mixture:** Carbon oxides, nitrogen oxides (NOx).
- **5.3 Advice for firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 - Accidental Release Measures

- **Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
- **Environmental precautions:** Do not let product enter drains.
- **Methods and materials for containment and cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

- **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. Normal measures for preventive fire protection.
- **Conditions for safe storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8 - Exposure Controls / PPE

- **ENGINEERING CONTROLS:** Safety shower and eye bath.
- **PERSONAL PROTECTIVE EQUIPMENT:**
 - **Respiratory:** Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387)

respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

- **Hand:** Compatible chemical-resistant gloves.
- **Eye:** Chemical safety goggles.
- **GENERAL HYGIENE MEASURES:** Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

- **Appearance Physical State:** White powder
- **Molecular Weight:** 233.27 g/mol (Active ingredient, free base)
- **pH:** N/A
- **BP/MP:** 180 °C

Section 10 - Stability and Reactivity

- **STABILITY:** Stable under normal conditions.
- **Materials to Avoid:** Strong oxidizing agents.
- **HAZARDOUS DECOMPOSITION PRODUCTS:** Toxic fumes of carbon monoxide, carbon dioxide.
- **HAZARDOUS POLYMERIZATION:** Will not occur.

Section 11 - Toxicological Information

- **Carcinogenicity:** IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- **Potential health effects:**
 - **Inhalation:** Harmful if inhaled. May cause respiratory tract irritation.
 - **Ingestion:** Harmful if swallowed.
 - **Skin:** Harmful if absorbed through skin. May cause skin irritation.
 - **Eyes:** May cause eye irritation.

Section 12 & 13 - Ecological Information & Disposal

- **Ecological Information:** No data available.
- **Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. 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 Information

- **TRANSPORT INFORMATION DOT (US), IMDG, IATA:** Not dangerous goods.

Section 15 & 16 - Regulatory & Other Information

- **California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
- **DISCLAIMER:** For R&D use only. Not for drug, household or other uses.