



catapowerinc.com

Safety Data Sheet

Version 1.1

Revision date: 13 February 2023

Section 1: Identification

1.1 Product identifier

Product name: Salicylaldehyde phenylhydrazone
Other names: 2-Hydroxybenzaldehyde phenylhydrazone
Product code: 01-04-0011
CAS number: 614-65-3

1.2 Relevant uses

Recommended use: Laboratory reagent

1.3 Supplier details

Manufacturer: Catapower, Inc.
2265 E. Foothill Blvd.
Pasadena, CA 91107
info@catapowerinc.com
Phone: (626) 657-0386

1.4 Emergency telephone number

Emergency phone: (800) 424-9300
CHEMTREC is available at the number above 24 hours/day, 7 days/week.

Section 2: Hazard(s) identification

2.1 Classification of the substance or mixture

H302: Acute toxicity, Oral
H318: Serious eye damage

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)

H302 Harmful if swallowed.
H318 Causes serious eye damage.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ eye protection/ face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes.
+ P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P330 Rinse mouth.

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

2.3 Hazards not otherwise classified

None.

Section 3: Composition/information on ingredients

3.1 Substances

Formula	$C_{13}H_{12}N_2O$
Molecular weight	212.25 g / mol
CAS number	614-65-3
Concentration	$\geq 97\%$

Section 4: First aid measures

4.1 Description of necessary first-aid instructions

General guidance:	Move out of the dangerous area. Consult a qualified physician. Show this material 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 qualified physician.
In case of skin contact:	Wash off with soap and plenty of water. Consult a qualified physician.
In case of eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a qualified physician.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a qualified physician.

4.2 Most important symptoms/effects

The most important known symptoms and effects are described in Section 11.

4.3 Indication of immediate medical attention and special treatment needed

No data available.

Section 5: Firefighting measures

5.1 Suitable extinguishing media

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

5.2 Specific hazards arising from the chemical

Carbon oxides (CO_2 , CO) and nitrogen oxides (NO_x)

5.3 Recommendations for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment as recommended in Section 8. Avoid breathing aerosol or dust.

6.2 Environmental precautions

Do not let product enter drains.

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 in accordance with local regulations.

Section 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment as recommended in Section 8. Avoid breathing aerosol. Avoid contact with skin, eyes, and clothing. Avoid ingestion. Consider the potential for formation of combustible dust prior to beginning work.

Handle in accordance with best practices for safety and industrial hygiene. Wash hands before breaks and at the end of a work shift.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry location. Storage class 11: Combustible Solids.

Section 8: Exposure controls / personal protection

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands before breaks and at the end of workday.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin protection

For full or incidental contact, nitrile gloves with a minimum layer thickness of 0.11 mm are recommended.

Body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

When a risk assessment indicates respiratory protection is required, 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. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Pale solid

Odor:	None detectable
Odor threshold:	No data available
pH:	No data available
Melting/freezing point:	142 °C
Initial boiling point and range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	No data available
Solubility:	No data available
Partition coefficient, n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive Properties:	

Section 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under the recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products.

Hazardous decomposition products formed under combustion conditions: Carbon oxides (CO₂, CO) and nitrogen oxides (NO_x).

Other decomposition products: No data available

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

No data available

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

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulation potential

No data available

12.4 Mobility in soil

No data available

12.6 Other adverse effects

No data available

Section 13: Disposal considerations

13.1 Waste disposal methods

Must not be disposed in household garbage or in sewer. Dispose of excess product in appropriate containers with a licensed disposal company in accordance with all relevant regulations.

13.2 Contaminated packaging

Contaminated packaging should be discarded in the same manner as excess product.

Section 14: Transport information

DOT (US): Not classified as dangerous goods.

Section 15: Regulatory information

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture SARA 302 components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right to Know components

No components are subject to the Massachusetts Right to Know Act.

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.

New Jersey Right to Know components

This product contains a chemical on the New Jersey Right to Know Components List: 2-hydroxybenzaldehyde phenylhydrazone (CAS # 614-65-3).

Pennsylvania Right to Know components

This product contains a chemical on the Pennsylvania Right to Know Components List: 2-hydroxybenzaldehyde phenylhydrazone (CAS # 614-65-3).

Section 16: Other information

16.1 Disclaimer

This information supplied in this document is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should make their own investigation to determine the suitability of this information for their particular purposes.