

LAB Buddy User Manual / Guide

More about Dev and Source

LAB Buddy

Shows the structure
on Compound

Search Button

Search Box

“” = Copy to Clipboard

Show hazards

Shows the progress



Flammable



Irritant



Health Hazard

GHS Hazard Statements:

1. H225: Highly Flammable liquid and vapor [Danger Flammable liquids]
2. H304: May be fatal if swallowed and enters airways [Danger Aspiration hazard]
3. H315: Causes skin irritation [Warning Skin corrosion/irritation]
4. H319: Causes serious eye irritation [Warning Serious eye damage/eye irritation]
5. H340: May cause genetic defects [Danger Germ cell mutagenicity]

Save

Open Log File ▼

MORE

Notes:

- ✓ CAS: 71-43-2
- ✓ IUPAC Name found
- ✓ SMILES found
- ✓ Image loaded
- ✓ Found GHS section
- ✓ GHS: 3 pictogram(s)
- ✓ Hazards: 5
- ✓ Cached locally

✓ Ready to save!

LAB Buddy

Search:



CAS No:

Title:



Molecular Formula:

Mol. Weight:



Density:

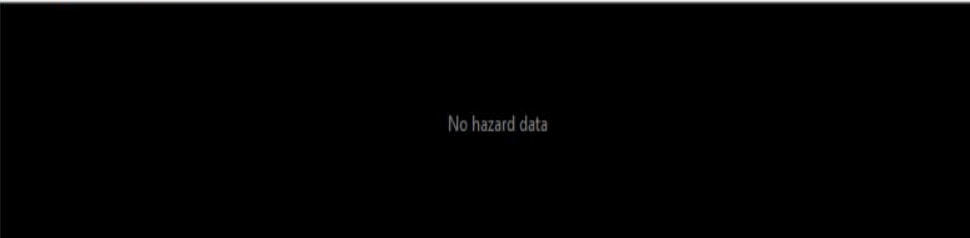


IUPAC Name:

SMILES:



Primary Hazards (GHS Pictograms):



GHS Hazard Statements:

Structure:

Copy Image

Copy Address

Notes:

✓ Cache loaded (integrity verified)

Save

Open Log File ▼

MORE

LAB Buddy

Step.1 : Find the top search box
and enter the
Name/IUPAC/SMILES/CAS No

Search:

Benz
Benzene
BENZYL BENZOATE
Benzoyl benzoate
Benzoic acid, benzyl ester
Benzylcarbonyl benzoate
Benzamidomethyl benzoate
Benzyl 4-(bromomethyl)benzoate
Benzaldehyde, 2-benzoyl-
benzo[b][1]benzazepine-11-carboxamide

IUPAC Name:

SMILES:

Primary Hazards (GHS Pictograms):

No hazard data

GHS Hazard Statements:

Structure:

Step.2 : Click it start Search

No image

Copy Image

Copy Adress

Notes:

✓ Cache loaded (integrity verified)

Save

Open Log File ▼

MORE

LAB Buddy

Search:

Benzene



CAS No:

71-43-2



Title:

Benzene



Molecular Formula:

C6H6



Mol. Weight:

78.11 g/mol



Density:

0.879 g/mL @ 20 °C



IUPAC Name:

benzene



SMILES:

C1=CC=CC=C1



Primary Hazards (GHS Pictograms):



Flammable



Irritant

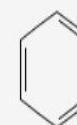


Health Hazard

GHS Hazard Statements:

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5. H340: May cause genetic defects [Danger Germ cell mutagenicity]

Structure:



Copy Image

Copy Address

Notes:

- ✓ CAS: 71-43-2

Step.3: Click the Open Log File

Save

Open Log file ▼

MORE

✓ Ready to save!

LAB Buddy

CAS NO:

71-43-2

Name:

Benzene

Molecular Formula:

C₆H₆

Mol. Weight:

78.11 g/mol

Density:

0.879 g/mL @ 20 °C

IUPAC Name:

benzene

SMILES:

C1=CC=CC=C1

Primary Hazards (GHS Pictograms):



Flammable



Irritant



Health Hazard

GHS Hazard Statements:

Structure:

[Copy Image](#)[Copy Address](#)

Notes:

Step.4.B: Click on Load to select
The existing excel file to update or
store new Compound/s

Step.4.A: Click on Create New excel
for to store Compound in RMC format

Data sourced from PubChem (NIH).

Excel File

No file selected

[Load Existing Excel](#)[Create New Excel](#)

✓ Cached locally

✓ Ready to save!

LAB Buddy

CAS NO:

71-43-2

Name:

Benzene

Structure:

Molecular Formula:

C6H6

Mol. Weight:

78.11 g/mol

Density:

0.879 g/mL @ 20 °C

IUPAC Name:

benzene

SMILES:

C1=CC=CC=C1

Primary Hazards (GHS P)

GHS Hazard Statements:

1. H225: Highly Flammable liq
2. H304: May be fatal if swallow
3. H315: Causes skin irritation
4. H319: Causes serious eye i
5. H340: May cause genetic da

Select Excel Columns

Default columns (always included):

- ☒ Chemical Name
- ☒ CAS Number
- ☒ Molecular Formula
- ☒ Molecular Weight
- ☒ Density
- ☒ Quantity
- ☒ Equivalence
- ☐ IUPAC Name
- ☐ SMILES
- ☐ Image Link

Create Excel

Step.4.A.2: Select the Coloumn as needed

Step.4.A.3: Once Coloumn have been selected click on "Create Excel" to generate excel

Copy Address

Notes:

Step.4.A.1: Click on Create New excel for to store Compound in RMC format

Save

Open Log File ▼

MORE

Data sourced from PubChem (NIH).

Excel File

No file selected

Load Existing Excel

Create New Excel

✓ Cached locally

✓ Ready to save!

LAB Buddy

Disclaimer & Scope

- LAB Buddy is an **independently developed laboratory utility**, created and maintained by a single developer to assist with **chemical reference lookup and record-keeping**.
- While every effort is made to ensure accuracy and reliability, LAB Buddy:
- Is **not a substitute** for official safety data sheets (SDS), regulatory documentation, or institutional SOPs
- Should be used as a **supporting reference tool**, not as the sole basis for safety or compliance decisions
- All chemical data displayed is sourced from **PubChem (NIH)** and is presented as provided by the source.
- As an independently maintained project:
- Updates and improvements are released incrementally
- Feedback and issue reports are welcome and appreciated
- Some edge cases or rare compounds may not be fully supported
- By using LAB Buddy, users acknowledge that it is a **best-effort informational tool**, intended to improve workflow convenience in laboratory environments.