

## Chemical Safety Data Sheet MSDS / SDS

## Acrolein

Revision Date:2026-04-04 Revision Number:1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## Product identifier

Product name : Acrolein  
CBnumber : CB1767603  
CAS : 107-02-8  
EINECS Number : 203-453-4  
Synonyms : acrolein,acrylaldehyde

## Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : For R&D use only. Not for medicinal, household or other use.  
Uses advised against : none

## Company Identification

Company : Chemicalbook  
Address : Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing  
Telephone : 010-86108875

## SECTION 2: Hazards identification

## GHS Label elements, including precautionary statements

Symbol(GHS)



Signal word

Danger

## Precautionary statements

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continuerinsing.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

## Hazard statements

H410 Very toxic to aquatic life with long lasting effects

H314 Causes severe skin burns and eye damage

H311 Toxic in contact with skin

## SECTION 3: Composition/information on ingredients

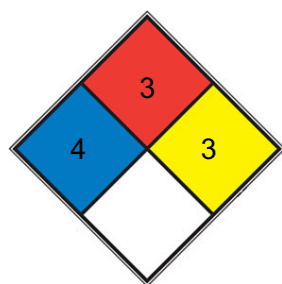
### Substance

|              |                          |
|--------------|--------------------------|
| Product name | : Acrolein               |
| Synonyms     | : acrolein,acrylaldehyde |
| CAS          | : 107-02-8               |
| EC number    | : 203-453-4              |
| MF           | : C3H4O                  |
| MW           | : 56.06                  |

## SECTION 4: First aid measures

## SECTION 5: Firefighting measures

### NFPA 704



|                                             |   |                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <span style="color: blue;">■</span> HEALTH  | 4 | Very short exposure could cause death or major residual injury (e.g. hydrogen cyanide, phosgene, methyl isocyanate, <a href="#">hydrofluoric acid</a> )                                                                                                                                                                                                     |
| <span style="color: red;">■</span> FIRE     | 3 | Liquids and solids (including finely divided suspended solids) that can be ignited under almost all ambient temperature conditions . Liquids having a flash point below 22.8 °C (73 °F) and having a boiling point at or above 37.8 °C (100 °F) or having a flash point between 22.8 and 37.8 °C (73 and 100 °F). (e.g. gasoline, <a href="#">acetone</a> ) |
| <span style="color: yellow;">■</span> REACT | 3 | Capable of detonation or explosive decomposition but requires a strong initiating source, must be heated under confinement before initiation, reacts explosively with water, or will detonate if severely shocked (e.g. <a href="#">ammonium nitrate</a> , cesium, hydrogen peroxide)                                                                       |
| <input type="checkbox"/> SPEC.              |   |                                                                                                                                                                                                                                                                                                                                                             |
| <input type="checkbox"/> HAZ.               |   |                                                                                                                                                                                                                                                                                                                                                             |

## SECTION 6: Accidental release measures

## SECTION 7: Handling and storage

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## SECTION 8: Exposure controls/personal protection

### **control parameter**

#### **Hazard composition and occupational exposure limits**

Does not contain substances with occupational exposure limits.

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## SECTION 9: Physical and chemical properties

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## SECTION 10: Stability and reactivity

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## SECTION 11: Toxicological information

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## SECTION 12: Ecological information

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## SECTION 13: Disposal considerations

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## SECTION 14: Transport information

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## SECTION 15: Regulatory information

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## SECTION 16: Other information

#### **Disclaimer:**

The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.