

## Chemical Safety Data Sheet MSDS / SDS

**2,4,6-Trinitrotoluene**Revision Date:2026-05-31 Revision Number:1

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product identifier**

Product name : 2,4,6-Trinitrotoluene  
CBnumber : CB0487625  
CAS : 118-96-7  
EINECS Number : 204-289-6  
Synonyms : TNT,Trinitrotoluene

**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

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**SECTION 2: Hazards identification****GHS Label elements, including precautionary statements**

Symbol(GHS)



Signal word

Danger

**Precautionary statements**

P403+P235 Store in a well-ventilated place. Keep cool.  
P337+P313 IF eye irritation persists: Get medical advice/attention.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

**Hazard statements**

H225 Highly Flammable liquid and vapour  
H319 Causes serious eye irritation

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**SECTION 3: Composition/information on ingredients**

## Substance

Product name	: 2,4,6-Trinitrotoluene
Synonyms	: TNT, Trinitrotoluene
CAS	: 118-96-7
EC number	: 204-289-6
MF	: C7H5N3O6
MW	: 227.13

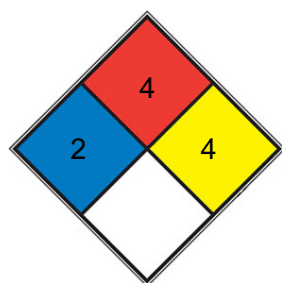
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## SECTION 4: First aid measures

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## SECTION 5: Firefighting measures

### NFPA 704



HEALTH 2 Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury (e.g. [diethyl ether](#), ammonium phosphate, iodine)

FIRE 4 Will rapidly or completely vaporize at normal atmospheric pressure and temperature, or is readily dispersed in air and will burn readily. Includes pyrophoric substances. Flash point below room temperature at 22.8 °C (73 °F). (e.g. acetylene, propane, [hydrogen gas](#))

REACT 4 Readily capable of detonation or explosive decomposition at normal temperatures and pressures (e.g. [nitroglycerin](#), chlorine dioxide, nitrogen triiodide)

SPEC.

HAZ.

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## SECTION 6: Accidental release measures

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## 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.