



Specialized in chemicals

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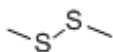
Site: [www.tnjchem.com](http://www.tnjchem.com)

## Technical Data Sheet

### Dimethyl Disulfide(DMDS)

#### Product Information

Chemical Name	Dimethyl Disulfide(DMDS)
CAS #	624-92-0
Formula	210-871-0
Molecular Weight	94.2
Chemical Structure	



#### Description

**Dimethyl disulfide DMDS CAS 624-92-0** is an organic chemical compound with the molecular formula  $\text{CH}_3\text{SSCH}_3$  which is the simplest disulfide. It is a flammable liquid with an unpleasant, garlic-like odor. Colorless to slight yellow liquid, melting point  $-85^\circ\text{C}$ .

#### Specification

Content	99.5% min
Water	0.1% max
Dimethyl sulfide	0.1% max
Methyl mercaptan	0.05% max
Sulphur content	68.1%

#### Safety

Always refer to the Material Safety Data Sheet (MSDS)

#### Applications

- DMDS is used as a [food additive](#) in onion, garlic, cheese, meats, soups, savory flavors, and fruit flavors.
- Industrially, DMDS is used in [oil refineries](#) as a sulfiding agent.

- DMDS is also an effective soil fumigant in agriculture, registered in many states in the U.S. as well as globally. In this capacity, DMDS is an important alternative in replacing methyl bromide, which is being phased out. This pesticide is marketed as "Paladin" by Arkema.
- DMDS could be used as an inhibitor in cracking coking of [petrochemicals, and solvent, intermediate of pesticides](#);
- In oil refining industry, widely used as activator in preliminary vulcanization procedure of catalyzers used in certain products (including naphtha, gasoline, kerosene, diesel soil) hydrodesulfurization and hydrocracking process.

### Packaging

Packed in metal pail, barrel, net weight 200 kg, total 16MT/20"container  
Or 25mt/ISO TANK.

### Storage & Handling

Store in cool and airy place; keep away from fire and heat; handle with care; avoid leakage.  
In the specified storage conditions, product warranty for 2years

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.*

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