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Dimethyl Ether  
Hazard Summary

**Dimethyl  
Ether Hazard  
Summary  
Workplace  
Exposure Limits**

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when? attain you  
undertake that you  
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significantly cash? Why  
don't you attempt to  
acquire something  
basic in the beginning?  
That's something that  
will guide you to  
understand even more  
on the globe,  
experience, some  
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## Hazard Summary

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### **Dimethyl Ether Hazard Summary Workplace**

HAZARD SUMMARY \*  
Dimethyl Ether can affect you when breathed in. \* Vapor can cause eye, nose and throat irritation. \* High exposure can

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cause headache, dizziness, lightheadedness, and even loss of consciousness. \* Skin contact with liquid Dimethyl Ether can cause severe frostbite. \* Dimethyl Ether is a HIGHLY FLAMMABLE LIQUID or

## **DIMETHYL ETHER HAZARD SUMMARY WORKPLACE EXPOSURE LIMITS ...**

Common Name:

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Dimethyl Ether  
Hazard Summary

DIETHYL ETHER CAS  
Number: 60-29-7 DOT  
Number: UN 1155 -----  
HAZARD SUMMARY \*

Diethyl Ether can affect  
you when breathed in.

\* Contact can irritate  
the skin and eyes. \*

Breathing Diethyl Ether  
can irritate the nose  
and throat. \*

Breathing  
Diethyl Ether can  
cause drowsiness,  
excitement, dizziness,  
vomiting, irregular  
breathing, and

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**DIETHYL ETHER  
HAZARD SUMMARY  
WORKPLACE  
EXPOSURE LIMITS ...**

According to the harmonised classification and labelling (CLP00) approved by the European Union, this substance is an extremely flammable gas. Additionally, the classification provided by companies to ECHA in REACH registrations identifies that this

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Hazard Summary

Workplace

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substance contains gas under pressure and may explode if heated.

**Dimethyl ether -  
Brief Profile - ECHA**

Health Hazards

Associated with Diethyl Ether. Diethyl ether is a volatile chemical that can easily catch fire or even explode. Diethyl ether vapor can be ignited not only by an open flame but also by heat sources or even static electricity. In



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addition, it can produce explosive peroxides when exposed to light and air. This chemical also poses an inhalation hazard, and can cause irritation of the eyes and skin.

## **Understanding the Safety Risks of Diethyl Ether | MSDSonline**

Dimethyl Ether Safety Data Sheet P-4589 This SDS conforms to U.S.

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Code of Federal  
Regulations 29 CFR  
1910.1200, Hazard  
Communication. Date  
of issue: 01/01/1979  
Revision date:  
01/17/2019

Supersedes:  
10/17/2016 EN (English  
US) SDS ID: P-4589 2/9

## **Dimethyl Ether - Praxair**

According to the  
harmonised  
classification and  
labelling (CLP00)

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approved by the European Union, this substance is an extremely flammable gas. Additionally, the classification provided by companies to ECHA in REACH registrations identifies that this substance contains gas under pressure and may explode if heated.

**Dimethyl ether -  
Substance  
Information - ECHA  
HAZARD SUMMARY**

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## WORKPLACE

### EXPOSURE LIMITS \*

Dimethyl Ether can affect you when breathed in. \* Vapor can cause eye, nose and throat irritation. \* High exposure can cause headache, dizziness, lightheadedness, and even loss of consciousness. \* Skin contact with liquid Dimethyl Ether can cause severe frostbite.

\* Dimethyl Ether is a

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**dimethyl ether  
hazard summary  
identification - State  
of ...**

●RESOURCES Health Hazard Summary: Overexposure to glycol ethers can cause anemia (a shortage of red blood cells), intoxication similar to the effects of alcohol, and irritation of the eyes, nose, or skin. In laboratory animals, low-

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level exposure to certain glycol ethers can cause birth defects and can damage a male's sperm and testicles.

## **Glycol Ethers**

Dimethyl ether (DME, also known as methoxymethane) is the organic compound with the formula  $\text{CH}_3\text{OCH}_3$ , simplified to  $\text{C}_2\text{H}_6\text{O}$ . The simplest ether, it is a colorless gas that is a useful

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precursor to other organic compounds and an aerosol propellant that is currently being demonstrated for use in a variety of fuel applications. It is an isomer of ethanol

## **Dimethyl ether - Wikipedia**

Diethyl ether and chromium trioxide react violently at room temperature. Solid acetyl peroxide in

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## Dimethyl Ether

## Hazard Summary

contact with ether or any volatile solvent may explode violently.

A 5-gram portion in ether detonated while being carried, [Chem. Eng. News 27:175(1949)]. Nitrosyl perchlorate ignites and explodes with diethyl ether.

### **DIETHYL ETHER | CAMEO Chemicals | NOAA**

DIMETHYL ETHER is a colorless, highly



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Hazard Summary  
flammable gas (b. p.

-24° C), slightly toxic.

Very dangerous fire  
Exposure Limits  
and explosion hazard

when exposed to  
flame, sparks, heat or  
strong oxidizers.

Violent reaction with  
aluminum hydride,  
lithium aluminum  
hydride. Upon standing  
and exposure to air  
(oxygen) tendency to  
form explosive  
peroxides.

**DIMETHYL ETHER |**

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Hazard Summary  
**CAMEO Chemicals |**  
**NOAA**

Tetraethylene glycol  
dimethyl ether

Revision Date

19-Jan-2018 Flash Point

141 °C / 285.8 °F

Method - No

information available

Autoignition

Temperature 266 °C /

510.8 °F Explosion

Limits Upper No data

available Lower 0.4%

Sensitivity to

Mechanical ImpactNo

information available

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Dimethyl Ether  
Hazard Summary  
Sensitivity to Static  
Discharge No  
information available  
Specific Hazards  
Arising from the  
Chemical

## **SAFETY DATA SHEET**

If released to the atmosphere, hydroquinone dimethyl ether should exist mainly in the vapor phase based on an estimated vapor pressure of  $8.7 \times 10^{-2}$  mm Hg. In the vapor

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## Dimethyl Ether

### Hazard Summary

phase, hydroquinone dimethyl ether will react with hydroxyl radicals with an estimated half-life of about 19 hours.

## **1,4-Dimethoxybenzene | C<sub>8</sub>H<sub>10</sub>O<sub>2</sub> -**

### **PubChem**

Dimethyl Ether Section

2. Hazards

identification Disposal

:Dispose of contents

and container in

accordance with all

local, regional, national

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and ... Emissions from  
ventilation or work  
process equipment  
should be checked to  
ensure they comply  
with the requirements  
of environmental  
protection legislation.  
In some cases, fume  
scrubbers, filters ...

## **SAFETY DATA SHEET** **- Airgas**

DEPARTMENT OF  
LABOR Occupational  
Safety and Health  
Administration 29 CFR

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Hazard Summary  
Part 1910 [Docket No.

H-044] RIN 1218-AA84

Occupational Exposure  
to 2-Methoxyethanol,  
2-Ethoxyethanol and

Their Acetates (Glycol  
Ethers) AGENCY:

Occupational Safety  
and Health

Administration (OSHA),  
Labor. ACTION:

Withdrawal of  
proposed rule;

termination of  
rulemaking. SUMMARY:

OSHA is withdrawing  
its proposed standard

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on ...

Workplace

**Occupational Safety  
and Health**

**Administration**

The National Institute for Occupational Safety and Health (NIOSH) recommends that 2-methoxyethanol (2ME) and 2-ethoxyethanol (2EE) be regarded in the workplace as having the potential to cause adverse reproductive effects in male and

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female workers.

Workplace  
Exposure Limits  
**CDC - NIOSH  
Publications and  
Products - Glycol  
Ethers 2 ...**

Dimethylamine (DMA) is an organic secondary amine. It is a colorless, liquefied and flammable gas with an ammonia and fish-like odor.

Dimethylamine is abundantly present in human urine.



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**Dimethylamine |**

**(CH<sub>3</sub>)<sub>2</sub>NH -**

**PubChem**

Safety. Unlike other alkyl ethers, dimethyl ether resists autoxidation [citation needed]. Dimethyl ether is also relatively non-toxic, although it is highly flammable. Appendix Routes to dimethyl ether.

**Dimethyl ether -  
WikiMili, The Best  
Wikipedia Reader**

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Hazard Summary  
Dimethyl ether = 308.5  
mg/L (Rat) 4 h

Isobutane = 658 mg/L  
(Rat) 4 h Propane - =  
658 mg/L (Rat) 4 h

Chronic Toxicity

Chronic Toxicity Avoid  
repeated exposure.

Intentional misuse by  
deliberately

concentrating and  
inhaling contents may  
be harmful or fatal

Carcinogenicity There  
are no known  
carcinogenic chemicals  
in this product.

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Workplace  
Exposure Limits

Copyright code: d41d8  
cd98f00b204e9800998  
ecf8427e.