

Carbon Disulfide

Carbon disulfide

Carbon Disulfide (CS₂) is a colorless, dense, highly refractive, volatile, flammable and toxic liquid. CS₂ plays a vital role in many of today's industrial processes.

CAS number
75-15-0

EINECS/ELINCS No.
200-843-6

Molecular weight
76.14

Molecular formula
CS₂

Specifications

Color	≤ 20 APHA
Content	≥ 99.99 %
Hydrogen Sulphide (H ₂ S)	≤ 1.5 ppm
Residue on evaporation	≤ 20 ppm

Properties

Boiling point, 1 bar	46.25°C (115.3°F)
Flash point	-30°C (-22°F)
Vapor pressure, 20°C	400 mbar
Density, 20°C (68°F)	10.539 lb/gal
Solubility	Slightly soluble in water; highly soluble in organic solvents
Specific Gravity (15.6°C/15.6°C)	1.260-1.274

Applications

Carbon Disulfide (CS₂) is an effective solvent for oils, waxes, sulfur and many organic compounds. CS₂ is a main building block in the production of agricultural chemicals including some of the fungicides and soil fumigants that allow farmers to increase yields. It is also used to produce industrial chemicals like xanthates used in mining and rayon used in clothing. CS₂ is also consumed in the production of a variety of pharmaceuticals.

Storage

Cool and padded with nitrogen or water. Requirements regarding storage tank design are available on request.

Packaging and transport

Carbon Disulfide is delivered in Rail tank cars, ISO Tank Containers and Road tankers

UN number	1131(CARBON DISULPHIDE)
Hazard Identification No.	336

Safety and handling

Carbon Disulfide is highly flammable and toxic and is classified as a hazardous substance. See our safety data sheet (SDS) for further information.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

For more information, please visit our website at www.nouryon.com.

Contact Us

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.