

Material Safety Data Sheet

Version 3.3

Revision Date 12/05/2012

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sulfur hexafluoride

Product Number : 295701

Brand : Aldrich

Components	CAS-No.	Value	Control parameters	Basis
Sulfur hexafluoride	2551-62-4	TWA	1,000 ppm	USA. ACGIH Threshold Limit Values (TLV)
Remarks	Asphyxia			
		TWA	1,000 ppm 6,000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	The value in mg/m3 is approximate.			
		TWA	1,000 ppm 6,000 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	1,000 ppm 6,000 mg/m3	USA. NIOSH Recommended Exposure Limits
	May contain highly toxic sulfur pentafluoride as an impurity.			

TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Liquefied gas
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	Melting point/range: -50 °C (-58 °F) - lit.
Boiling point	-64 °C (-83 °F) at 1 hPa (1 mmHg) - lit.
Flash point	not applicable
Ignition temperature	no data available
Auto-ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	29 hPa (22 mmHg) at 21.1 °C (70.0 °F) 22,057 hPa (16,544 mmHg) at 20 °C (68 °F)
Density	no data available
Water solubility	no data available
Partition coefficient:	

Dermal LD50

no data available

Other information on acute toxicity

LD50 Intravenous - rabbit - 5,790 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or con85(e)4.154 s479()-0.1a-6(o26(r)-0.167663(c)-6(o)0.154426(n85(e)4.

New Jersey Right To Know Components

Sulfur hexafluoride

CAS-No.
2551-62-4

Revision Date
1993-04-24

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Further information

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