

Dimethyl sulfoxide (DMSO), anhydrous

1. IDENTIFICATION	
Product code:	Catalog Number 4649 (Component B) Catalog Number 4766 (Component B)
Product name:	Dimethyl sulfoxide (DMSO), anhydrous
Unit size:	150 µL
Manufacturer/supplier:	Essen BioScience Inc. (a Sartorius company) 300 West Morgan Road Ann Arbor MI 48108 USA
Emergency contact:	+1 (734) 769-1600
Fax contact:	+1 (734) 769-7295

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. HAZARD IDENTIFICATION	
Emergency overview:	Components of the product may be absorbed into the body through the skin.
Form:	Liquid
Principle routes of exposure/Potential health effects	
Eyes:	Irritating to eyes.
Skin:	Components of the product may be absorbed into the body through the skin.
Inhalation:	May cause irritation of respiratory tract.
Ingestion:	May be harmful if swallowed.
Specific effects	
Carcinogenic effects:	No information available.
Mutagenic effects:	No information available.
Reproductive toxicity:	No information available.
Aggravated Medical Conditions:	Eyes. Skin.
HMIS:	
Sensitization:	1
Health:	2
Flammability:	1

3. COMPOSITION / INFORMATION ON INGREDIENTS			
Chemical name	CAS-No	EINECS-No	Weight %
Dimethylsulfoxide	67-68-5	None	60-100
The product contains no substance which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.			

4. FIRST-AID MEASURES				
Skin contact:	Wash off immediately with plenty of water. If symptoms arise, call a physician.			
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.			
Ingestion:	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.			
Inhalation:	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.			
Notes to physician:	Treat symptomatically.			
5. FIRE-FIGHTING MEASURES				
Suitable extinguishing media:	Dry chemical.			
Special protective equipment for fire fighters:	Wear self-contained breathing apparatus and protective suit.			
6. ACCIDENTAL RELEASE MEASURES				
Personal precautions:	Use personal protective equipment.			
Methods for cleaning up:	Soak up with inert absorbent material.			
7. HANDLING AND STORAGE				
Handling:	Avoid contact with skin and eyes.			
Storage:	Keep in properly labeled containers.			
8. EXPOSURE CONTROLS/PERSONAL PROTECTION				
Chemical name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Dimethylsulfoxide	None	None	None	None
Engineering measures:	Ensure adequate ventilation, especially in confined areas.			
Personal protective equipment:				
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.			
Hand protection:	Impervious gloves.			
Eye protection:	Safety glasses with side-shields.			
Skin and body protection:	Lightweight protective clothing.			
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.			
9. PHYSICAL AND CHEMICAL PROPERTIES				
General information:				
Form:	Liquid.			
Important health and safety environmental information:				
Boiling point:	189°C	°F: No data available		
Melting point/range:	18.4°C	°F: No data available		
Flash point:	94°C	°F: No data available		
Autoignition temperature:	No information available.	°F: No data available		
Oxidizing properties:	No information available.			
Water solubility:	Soluble.			

10. STABILITY AND REACTIVITY	
Stability:	Stable under normal conditions.
Materials to avoid:	No information available.
Hazardous decomposition products:	No information available.
Polymerization:	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION			
Chemical name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LD50 (inhalation, rat, mouse)
Dimethylsulfoxide	No data available.	No data available.	No data available.
Principle routes of exposure/potential health effects			
Eyes:	Irritating to eyes.		
Skin:	Components of the product may be absorbed into the body through the skin.		
Inhalation:	May cause irritation of respiratory tract.		
Ingestion:	May be harmful if swallowed.		
Specific effects (Long Term Effects)			
Carcinogenic effects:	No information available.		
Mutagenic effects:	No information available.		
Reproductive toxicity:	No information available.		
Sensitization:	No information available.		

12. ECOLOGICAL INFORMATION	
Ecotoxicity effects:	No information available.
Mobility:	No information available.
Bioaccumulation:	Inherently biodegradable.
Bioaccumulation:	Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS	

14. TRANSPORT INFORMATION	
Proper shipping name:	Not classified as dangerous in the meaning of transport regulations.
Hazard class:	None
Subsidiary class:	None
Packing group:	None
UN-No:	None

15. REGULATORY INFORMATION						
Chemical name	TSCA	PICCS	ENCS	DSL	NDSL	AICS
Dimethylsulfoxide	Listed	Listed	Listed	–	Listed	Listed
US Federal Regulations						
SARA 313:	This product is not regulated by SARA.					
Clean air act, section 112 hazardous air pollutants (HAPs) (see 40 CFR 61):	This product does not contain HAPs.					
US State Regulations						
Chemical name	Massachusetts RTK	New Jersey RTK	Pennsylvania RTK	Illinois RTK	Rhode Island RTK	
Dimethylsulfoxide	–	–	–	–	–	
California Proposition 65:	This product does not contain chemicals listed under Proposition 65.					
WHMIS Hazard Class:	D2B Toxic materials B3 Combustible liquid					
14. TRANSPORTATION INFORMATION						
Date of preparation:	May 19, 2016					
Revision date:	November 27, 2018					

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any

damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

END OF SAFETY DATA SHEET