



	TCV/CV	veu 011 10/23/2010
1	Identification Product identifier	
	Product name: 1,4-Diphenoxybenzene	
	Stock number: A14864, L08824 CAS Number: 3061-36-7	
	Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development	
	Details of the supplier of the safety data sheet Manufacturer/Supplier: Alfa Aesar Thorme Eicher Scientific Chemicals, Inc.	
	Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757	
	Email: tech@alfa.com www.alfa.com Information Department: Health, Safety and Environmental Department	
	Emergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0)789.
2	P Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) The substance is not classified according to the Globally Harmonized System (GHS). Hazards not otherwise classified No information known.	
	Label elements GHS label elements Not applicable Hazard pictograms Not applicable Signal word Not applicable	
	Hazard statements' Not applicable WHMIS classification Not controlled Classification system HMIS ratings (scale 0-4) (Interview Metricle Identification System)	
	(Hazardouš Materials Identification System) HEALTH I Health (acute effects) = 1 FIRE I FREACTIVITY Physical Hazard = 1	
	Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.	
3	Composition/information on ingredients Chemical characterization: Substances	
	CAS# Description: 3061-36-7 1,4-Diphenoxybenzene	
4	First-aid measures Description of first aid measures	
	After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact	
	Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.	
	After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor	
	Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available.	
5	i Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.	
	Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Advice for firefighters	
	Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	
6	Accidental release measures Personal precautions, protective equipment and emergency procedures	
	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Pick up mechanically.	
	Prevention of secondary hazards: No special measures required. Reference to other sections	
	See Section 7 for information on safe handling See Section 8 for information on personal protection equipment.	(Contd. on page 2) USA

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See Section 13 for disposal information.

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7 Handling and storage					
Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers.					
, ,	Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities				
Storage	and receptacles: No special requirements.				
Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available.					
8 Exposure controls/personal protection					
Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.					
Control parameters Components with limit values that require monitoring at the workplace: Not required. Additional information: No data					
Exposure controls Personal protective equipment					
General protective and hygienic measures					
The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.					
Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present.					
Protection of hands:					
Eve protection: Safety dasses	depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.				
Body protection: Protective work clothing.					
9 Physical and chemical properties Information on basic physical and chemical properties					
General Information Appearance:					
Form: Color:	Crystalline White				
Odor: Odor threshold:	Not determined Not determined.				
pH-value: Change in condition	Not applicable.				
Maling point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	72-73 °C (162-163 °F) 172 °C (342 °F) (0.1mm Hg) Not determined				
Flash point: Flammability (solid, gaseous)	202 °C (396 °F) Not determined.				
Ignition temperature: Decomposition temperature: Auto igniting:	Not determined Not determined Not determined.				
Danger of explosion: Explosion limits:	Product does not present an explosion hazard.				
Lower: Upper:	Not determined Not determined				
Vapor pressure: Density at 20 °C (68 °F):	Not applicable. 1.083 g/cm³ (9.038 lbs/gal)				
Relative density Vapor density	Not determined. Not applicable				
Evaporation rate Solubility in / Miscibility with	Not applicable.				
Water: Partition coefficient (n-octanol/water): Viscosity:	Not determined Not determined.				
dynamic: kinematic:	Not applicable. Not applicable.				
Other information	No further relevant information available.				
10 Stability and reactivity Reactivity No information known. Chamical stability Stable under recommended storage conditions					

Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide

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Product name: 1,4-Diphenoxybenzene			
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(Contd. of page 2) 11 Toxicological information Information on toxicological effects Acute toxicity: No effects known. LD/LCS0 values that are relevant for classification: No data Skin irritation or corrosion: May cause irritation Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Germ cell mutagenicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: No effects known. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. 12 Ecological information Toxicity Aquetic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Mobility in soil No further relevant information available. Mobility in soil No further relevant information available. Mobility in soil No water information available. Mobility in soil No relevant information available. Mobility in soil No relevant information available. Mobility in soil No urther relevant information available. Mobility in soil No water is to reach ground water, water course or sewage system. Avaid transfer into the environment. Results of PBT and VPVB assessment PBT: No tapplicable. VPVB: Not applicable. VPVB: Not applicable. VPUB: Not ap			
13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.			
14 Transport information Not a hazardous material for transportation. UN-Number			
DOT, IMDG, IATA	None		
UN proper shipping name DOT, IMDG, IATA	None		
Transport hazard class(es) DOT, ADR, IMDG, IATA Class Decking group	None		
Packing group DOT, IMDG, IATA	None		
Environmental hazards:	Not applicable.		
Special precautions for user	Not applicable.		
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Cod	e Not applicable.		
Transport/Additional information:	Not dangerous according to the above specifications.		
DOT Marine Pollutant (DOT):	No		
5 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable Hazard statements Not applicable Hazard statements Not applicable National regulations All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. The conditions of restrictions according to the REACH Regulations (EC) No. 1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed.			
Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. USA –			

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16 Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department issuing SDS: Global Marketing Department
Date of preparation / last revision 11/23/2015 /
Abbreviations and acronyms:

ID: Réglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAC: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
IMDG: International Civil Aviation of the American Chemical Society)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal dose, 50 percent
VPWs very Persistent and very Bioaccumulative
ACGIH: American Chernetal Industrial Hygienists (USA)
OSHA: Occupational Safety and Health Administration (USA)
IMTP: National Toxicology Program (USA)
IATE: International Air and the Administration (USA)
IATE: International Agency for Research on Cancer
EPA: Environmental Protection Agency (USA)

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