Revision:	19.08.201

Printing date 19.08.2010	according to 1907/2000/EC, Article 31	Revision: 19.08.2010
1 Identification of substance		
Product details		
Trade name	Diphenyl phosphate	
Stock number:	L02121	
Manufacturer/Supplier:	Alfa Aesar GmbH & Co.KG	
	Benzstrasse 3 D-76185 Karlsruhe / Germany	E-mail: gcat@matthey.com www.alfa-chemcat.com
Informing department:	Product safety department.	
Emergency information:	Giftnotruf Universität Mainz / Poison Information Center Mainz www.giftinfo.uni-mainz.de Telefon:+49(0)6131/19240	
	www.gittinio.uni-mainz.de Telefon.+49(0)6131/19240	
2 Hazards identification		
Hazard designation:	void	
Information pertaining to particular dangers for man and environment	Not applicable	
GHS label elements	Void	
3 Composition/information on ingredient	S	
Chemical characterization:		
Designation: (CAS#)	Diphenyl phosphate (CAS# 838-85-7): 100%	
4 First aid measures		
After inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm.	Consult doctor if symptoms
	persist. Seek immediate medical advice.	
After skin contact	Instantly 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 doc	ctor.
After swallowing	Seek medical tréatment.	
5 Fire fighting measures		· · · · · · · · · · · · · · · · · · ·
Suitable extinguishing agents Special hazards caused by the material, its	CO2, extinguishing powder or water jet. Fight larger fires with water jet or alco	ohol-resistant foam.
Special hazards caused by the material, its products of combustion or flue gases:	Can be released in case of fire:	
F	Carbon monoxide and carbon dioxide	
Protective equipment:	Phosphorus oxides Wear self-contained breathing apparatus.	
	Wear full protective suit.	
6 Accidental release measures		
Person-related safety precautions:	Wear protective equipment. Keep unprotected persons away.	
Measures for environmental protection:	Ensure adequate ventilation Do not allow material to be released to the environment without proper govern	nmental permits
Measures for cleaning/collecting:	Collect mechanically.	
Additional information:	See Section 7 for information on safe handling See section 8 for information on personal protection equipment.	
	See Section 13 for information on disposal.	
7 Handling and storage		
Handling		
Information for safe handling:	Keep containers tightly sealed. Store in cool, dry place in tightly closed containers.	
Information of out materian evaluat	No special precautions necessary if used correctly.	
Information about protection against explosions and fires:	Keep ignition sources away - Do not smoke.	
Storage		
Requirements to be met by storerooms and containers:	No special requirements.	
Information about storage in one common		
storage facility: Further information about storage	Store away from oxidizing agents.	
conditions:	Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.	
8 Exposure controls and personal protection		
Additional information about design of technical systems:	Properly operating chemical fume hood designed for hazardous chemicals ar	nd having an average face velocity
	of at least 100 feet per minute.	
Components with critical values that require monitoring at the workplace:	Not required.	
Additional information:	No data	
Personal protective equipment General protective and hygienic measures	The usual presoutionary measures should be adhered to in bondling the ober	micals
Ceneral protective and hygienic measures	The usual precautionary measures should be adhered to in handling the cher Keep away from foodstuffs, beverages and food.	110413.
	Instantly rémove any soiled and impregnated garments. Wash hands during breaks and at the end of the work.	
Breathing equipment:	Use breathing protection with high concentrations.	
Protection of hands: Material of gloves	Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, bu	t also on further marks of quality
-	and varies from manufacturer to manufacturer.	
Penetration time of glove material	Not determined	
Eye protection: Body protection:	Safety glasses Protective work clothing.	
	~	
9 Physical and chemical properties: General Information		
General Information Form:	Powder	
Colour:	White	
		(Contd. on page 2)

Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 19.08.2010

Page 2/2

<u> </u>		
Trade name <i>Diphenyl phosphate</i>		
	(Contd. of page 1)	
Smell:	Not determined	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	62-66°C Not determined Not determined	
Flash point:	Not applicable	
Ignition temperature:	Not determined	
Decomposition temperature:	Not determined	
Danger of explosion:	Product is not explosive.	
Critical values for explosion: Lower: Upper:	Not determined Not determined	
Steam pressure:	Not determined	
Density	Not determined	
10 Stability and reactivity Thermal decomposition / conditions to be avoided: Materials to be avoided: Dangerous reactions: Dangerous products of decomposition:	No decomposition if used and stored according to specifications. Oxidizing agents No dangerous reactions known Carbon monoxide and carbon dioxide Phosphorus oxides (e.g. P2O5)	
11 Toxicological information Acute toxicity: Primary irritant effect: on the skin: on the eye: Sensitization: Other information (about experimental toxicology): Additional toxicological information:	May cause irritation May cause irritation No sensitizing effect known. Mutagenic effects have been observed on tests with bacteria. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
12 Ecological information: Additional ecological information: General notes:	Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Do not allow material to be released to the environment without proper governmental permits.	
13 Disposal considerations		
Product: Recommendation	Consult state, local or national regulations for proper disposal. Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations.	
Uncleaned packagings: Recommendation:	Disposal must be made according to official regulations.	
14 Transport information Land transport ADR/RID and GGVS/GGVE (cross-border/domestic) ADR/RID-GGVS/E Class: None		
Maritime transport IMDG/GGVSea: IMDG/GGVSea Class: Marine pollutant:	None No	
Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class:	None	
Transport/Additional information:	Not dangerous according to the above specifications.	
15 Regulatory information Designation according to EC guidelines:	Observe the normal safety regulations when handling chemicals The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).	
National regulations		
Information about limitation of use: Water hazard class:	For use only by technically qualified individuals. Water hazard class 1 (Self-assessment): slightly hazardous for water.	
16 Other information: Employers should use this information only as a this information to ensure proper use and protec not in conformance with this Material Safety Da Department issuing data specification sheet	a supplement to other information gathered by them, and should make independent judgement of suitability of the health and safety of employees. This information is furnished without warranty, and any use of the product ta Sheet, or in combination with any other product or process, is the responsibility of the user. : Health, Safety and Environmental Department.	
Contact: Abbreviations and acronyms:	Zachariah Hölt ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Ciri Transport Association IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Instructions by the "International Ciril Aviation Organization" (ICAO) GHS: Globally Harmonized System of Classification and Labelling of Chemicals CAS: Chemical Abstracts Service (division of the American Chemical Society) GB	