



1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING				
1.1	Product identifiers				
	Product name	:	DIETHYLPHOSPHINE		
	CAS-No.	:	627-49-6		
1.2	Relevant identified uses of the substance or mixture and uses advised against				
	Identified uses	:	Laboratory chemicals, Manufacture of substances		
2.	HAZARDS IDENTIFICATION				
2.1	Classification of the substance or mixture				
	Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]				
	Pyrophoric liquids (Category 1)				
	Acute toxicity, Inhalation (Category 4)				
	Acute toxicity, Dermal (Category 4)				
	Acute toxicity, Oral (Category 4)				
	Skin corrosion (Category 1B)				
	Serious eye damage (Category 1)				
	Classification according to EU Directives 67/548/EEC or 1999/45/EC				
	Spontaneously flammable in air. Causes burns. Harmful by inhalation, in contact with skin and if swallowed.				
2.2	Label elements				
	Labelling according Regulation (EC) No 1272/2008 [CLP]				
	Pictogram				
	Signal word	Danger			
	Hazard statement(s)				
	H250	Catches fire spontaneously if exposed to air.			
	H302	Harmful if swallowed.			
	H312	Harmful in contact with skin.			
	H314	Causes severe skin burns and eye damage.			
	H332	Harmful if inhaled.			
	Precautionary statement(s)				
	P222	Do not allow contact with air.			
	P231	Handle under inert gas.			
	P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.			
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
	P310	Immediately call a POISON CENTER or doctor/ physician.			
	P422	Store contents under inert gas.			
	Supplemental Hazard Statements	none			
	According to European Directive 67/548/EEC as amended.				
	Hazard symbol(s)				
	R-phrases(s)				
	R17	Spontaneously flammable in air.			
	R34	Causes burns.			
	R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.			
	S-phrases(s)				
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.			
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.			
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).			
2.3	Other hazards - none				
3.	COMPOSITION/INFORMATION ON INGREDIENTS				
3.1	Substances				
	Formula	:	C4H11P		
	Molecular Weight	:	90,11 g/mol		
	Component		Concentration		
	Diethylphosphine				
	CAS-No.	627-49-6	-		
4.	FIRST AID MEASURES				
4.1	Description of first aid measures				
	General advice				
	Consult a physician. Show this safety data sheet to the doctor in attendance.				
	If inhaled				
	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.				
	In case of skin contact				
	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.				
	In case of eye contact				
	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.				
	If swallowed				
	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.				
4.2	Most important symptoms and effects, both acute and delayed				
	Inhalation of vapors may cause:, Headache, Dizziness				
4.3	Indication of immediate medical attention and special treatment needed				
	no data available				
5.	FIRE-FIGHTING MEASURES				
5.1	Extinguishing media				
	Suitable extinguishing media				
	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.				
5.2	Special hazards arising from the substance or mixture				
	Carbon oxides, Oxides of phosphorus				
5.3	Precautions for fire-fighters				
	Wear self contained breathing apparatus for fire fighting if necessary.				
5.4	Further information				
	Use water spray to cool unopened containers.				
6.	ACCIDENTAL RELEASE MEASURES				
6.1	Personal precautions, protective equipment and emergency procedures				
	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.				
6.2	Environmental precautions				
	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.				
6.3	Methods and materials for containment and cleaning up				
	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).				
6.4	Reference to other sections				
	For disposal see section 13.				
7.	HANDLING AND STORAGE				
7.1	Precautions for safe handling				
	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking.				
7.2	Conditions for safe storage, including any incompatibilities				
	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.				
	Handle and store under inert gas. Air sensitive. Stench.				
7.3	Specific end uses				
	no data available				
8.	EXPOSURE CONTROLS/PERSONAL PROTECTION				
8.1	Control parameters				
	Components with workplace control parameters				
8.2	Exposure controls				
	Appropriate engineering controls				
	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.				
	Personal protective equipment				
	Eye/face protection				
	Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).				
	Skin protection				
	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Protective gloves against thermal risks				
	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.				
	Body Protection				
	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.				
	Respiratory protection				
	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).				
9.	PHYSICAL AND CHEMICAL PROPERTIES				
9.1	Information on basic physical and chemical properties				
	a) Appearance	Form: liquid			
	b) Odour	pungent			
	c) Odour Threshold	no data available			
	d) pH	no data available			
	e) Melting/freezing point	no data available			
	f) Initial boiling point and boiling range	85 °C			
	g) Flash point	no data available			
	h) Evaporation rate	no data available			
	i) Flammability (solid, gas)	no data available			
	j) Upper/lower flammability or explosive limits	no data available			
	k) Vapour pressure	no data available			
	l) Vapour density	no data available			
	m) Relative density	0,782 g/cm3			
	n) Water solubility	insoluble			
	o) Partition coefficient: n-octanol/water	log Pow: 1,950			
	p) Autoignition temperature	Catches fire spontaneously if exposed to air.			
	q) Decomposition temperature	no data available			
	r) Viscosity	no data available			
	s) Explosive properties	no data available			
	t) Oxidizing properties	no data available			
9.2	Other safety information				
	no data available				
10.	STABILITY AND REACTIVITY				
10.1	Reactivity				
	no data available				
10.2	Chemical stability				
	no data available				
10.3	Possibility of hazardous reactions				
	Reacts violently with water.				
10.4	Conditions to avoid				
	Heat. Air Air sensitive.				
10.5	Incompatible materials				
	Organic materials, Oxidizing agents, Halogens				
10.6	Hazardous decomposition products				
	Other decomposition products - no data available				
11.	TOXICOLOGICAL INFORMATION				
11.1	Information on toxicological effects				
	Acute toxicity				
	no data available				
	Skin corrosion/irritation				
	no data available				
	Serious eye damage/eye irritation				
	no data available				
	Respiratory or skin sensitization				
	no data available				
	Germ cell mutagenicity				
	Carcinogenicity				
	IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.			
	Reproductive toxicity				
	Specific target organ toxicity - single exposure				
	no data available				
	Specific target organ toxicity - repeated exposure				
	no data available				
	Aspiration hazard				
	no data available				
	Potential health effects				
	Inhalation	Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.			
	Ingestion	Harmful if swallowed. Causes burns.			
	Skin	Harmful if absorbed through skin. Causes skin burns.			
	Eyes	Causes eye burns.			
	Signs and Symptoms of Exposure				
	Inhalation of vapors may cause:, Headache, Dizziness				
	Additional Information				
	RTECS: Not available				
12.	ECOLOGICAL INFORMATION				
12.1	Toxicity				
	no data available				
12.2	Persistence and degradability				
	no data available				
12.3	Bioaccumulative potential				
	no data available				
12.4	Mobility in soil				
	no data available				
12.5	Results of PBT and vPvB assessment				
	no data available				
12.6	Other adverse effects				
	no data available				
13.	DISPOSAL CONSIDERATIONS				
13.1	Waste treatment methods				
	Product				
	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.				
	Contaminated packaging				
	Dispose of as unused product.				
14.	TRANSPORT INFORMATION				
14.1	UN-Number				
	ADR/RID: 2845	IMDG: 2845	IATA: 2845		
14.2	UN proper shipping name				
	ADR/RID: PYROPHORIC LIQUID, ORGANIC, N.O.S. (Diethylphosphine)				
	IMDG: PYROPHORIC LIQUID, ORGANIC, N.O.S. (Diethylphosphine)				
	IATA: Pyrophoric liquid, organic, n.o.s. (Diethylphosphine)				
	Passenger Aircraft: Not permitted for transport				
	Cargo Aircraft: Not permitted for transport				
14.3	Transport hazard class(es)				
	ADR/RID: 4.2	IMDG: 4.2	IATA: 4.2		
14.4	Packaging group				
	ADR/RID: I	IMDG: I	IATA: -		
14.5	Environmental hazards				
	ADR/RID: no	IMDG Marine pollutant: no	IATA: no		
14.6	Special precautions for users				
	no data available				
15.	REGULATORY INFORMATION				
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.				
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	no data available				
15.2	Chemical Safety Assessment				
	no data available				
16.	OTHER INFORMATION				
	Further information				
	For R&D use only. Not for drug, household or other uses.				
	WARRANTY:				
	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.				