ooo philip harris

SAFETY DATA SHEET

PROPIONALDEHYDE

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Compilation date: 10/06/2015

Revision No: 1

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name:PROPIONALDEHYDECAS number:123-38-6EINECS number:204-623-0Index number:605-018-00-8Product code:A70610Synonyms:PROPANAL

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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Laboratory Chemicals, Manufacture of Substances.

1.3. Details of the supplier of the safety data sheet

Company name:	PHILIP HARRIS
	2 Gregory Street
	Hyde
	Cheshire
	SK14 4HR
	United Kingdom
Tel:	+44 (0)845 1200 506
Fax:	+44 (0)161 367 2140
Email:	enquiries@philipharris.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 845 1200 506

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP:	STOT SE 3: H335; Eye Dam. 1: H318; Flam. Liq. 2: H225; Skin Irrit. 2: H315; Acute Tox. 4:
	H302+332
Most important adverse effects:	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye
	damage. May cause respiratory irritation. Harmful if swallowed or if inhaled.

2.2. Label elements

Label elements:

Hazard statements: H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H318: Causes serious eye damage.

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	H335: May cause respiratory irritation.		
	H302+332: Harmful if swallowed or if inhaled.		
Signal words:	Danger		
Hazard pictograms:	GHS02: Flame		
	GHS05: Corrosion		
	GHS07: Exclamation mark		
Precautionary statements:	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition		
	sources. No smoking.		
	P241: Use explosion-proof electrical/ventilating/lighting/ equipment.		
	P280: Wear protective gloves/protective clothing/eye protection/face protection.		
	P302+352: IF ON SKIN: Wash with plenty of water/.		
	P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.		
	Rinse skin with water/shower.		
	P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.		
	P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.		
	P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove		
	contact lenses, if present and easy to do. Continue rinsing.		
2.3. Other hazards			
Other hazarde.	The substance is not classified as bazardous to health or the environment according to		

2.

Other hazards: The substance is not classified as hazardous to health or the environment according to the CLP regulation. This substance is not classified as dangerous according to Directive 67/548/EEC.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: PROPIONALDEHYDE

CAS number: 123-38-6

EINECS number: 204-623-0

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Consult a doctor.

- Eye contact: Bathe the eye with running water for 15 minutes. Remove contact lenses, if present and easy to do. Consult a doctor.
 - Ingestion: Wash out mouth with water. Never give anything by mouth to an unconcious person Give nothing to eat or drink. Consult a doctor.

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Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing

is irregular or stopped, administer artifical respiration. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: IF exposed or if you feel unwell: Call a POISON CENTRE or DOCTOR. Show this safety data sheet to the doctor in attendance. The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings. CO2, extingushing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Collect in closed and suitable containers for disposal. Contain spillage, and then collect with an electronically 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

Section 7: Handling and storage

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7.1. Precautions for safe handl	ing	
Handling requirements:	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide	
	appropriate exhaust ventilation at places where dust is formed. For precautions see	
	section 2.2	
7.2. Conditions for safe storage	e, including any incompatibilities	
Storage conditions:	Keep container tightly closed. Store in a cool, well ventilated area. Containers which are	
Suitable packaging:	open must be carefully resealed and kept upright to prevent leakage. Keep in the original packaging.	
7.3. Specific end use(s)		
Specific end use(s):	Apart from uses mentioned in section 1.2 no other specific uses are stipulated.	
Section 8: Exposure controls/p	personal protection	
8.1. Control parameters		
Workplace exposure limits:	No data available.	
DNEL/PNEC Values		
DNEL / PNEC	No data available.	
8.2. Exposure controls		
Engineering measures:	Technical measures and the application of suitable work processes have priority over	
	personal protection equipment. Handle in accordance with good industrial hygiene and	
	safety practice. Wash hands before breaks and at the end of workday.	
Respiratory protection:	Where risk assessment shows air-purifying respirators are appropriate use a full face	
. ,.	particle respirator type N100 (US) or type P3 (EN143) respirator cartridges as a back up	
	to engineering controls.	
Hand protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal	
	technique (without touching the gloves outer surface) to avoid skin contact with this	
	product. Dispose of contaminated gloves after use.	
	Wash and dry hands. Full contact	
	Material: butyl-rubber	
	Minimum layer thickness: 0.3 mm	
	Break through time: 480 min	
	Material tested:Butoject® (KCL 897 / Aldrich Z677647, Size M) Splash contact	
	Material: Nitrile rubber	
	Minimum layer thickness: 0.11 mm	
	Break through time: 480 min	
	Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)	
Eye protection:	Face shield and safety glasses. Use equipment for eye protection test and approved	
	under approperiate government statments such as NIOSH (US) or EN 166(EU)	
Skin protection:	Wash hands before breaks and after work. Avoid contact with skin and eyes. When	

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using do not eat, drink or smoke. Provide eye shower and label its location conspicuously. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Liquid		
Colour:	Colourless		
Odour:	Stench		
Evaporation rate:	No data available.		
Oxidising:	No data available.		
Solubility in water:	No data available.		
Also soluble in:	No data available.		
Viscosity:	No data available.		
Viscosity test method:	No data available.		
Boiling point/range°C:	46-50	Melting point/range°C:	-81
Flammability limits %: lower:	2.6	upper:	16.1
Flash point°C:	-40	Part.coeff. n-octanol/water:	No data available.
Autoflammability°C:	No data available.	Vapour pressure:	343
Relative density:	No data available.	pH:	5.3-8.7
VOC g/I:	No data available.		

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No data available.

10.2. Chemical stability

Chemical stability: Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: No data available.

10.4. Conditions to avoid

Conditions to avoid: Heat. Flames. Sources of ignition. Direct sunlight. Sparks Extremes of temperature.

10.5. Incompatible materials

Materials to avoid: Oxidising agents. Strong bases. Strong reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes. In the event of fire see section 5.

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Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
DERMAL	RBT	LD50	2,460	mg/kg
VAPOURS	RAT	LD50	4.6	mg/l
ORAL	RAT	LD50	1,690	mg/kg

Hazardous ingredients:

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DERMAL	RBT	LD50	2,460	mg/kg
ORAL	RAT	LD50	1,690	mg/kg
VAPOURS	RAT	LD50	4.6	mg/l

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	14	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: Partition coefficient: n-octanol/water 0.04 (20°C)

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12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations:	Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or	
	mix the material with a combustible solvent and burn in a chemical incinerator equipped	
	with an afterburner and scrubber.	
Disposal of packaging:	Dispose of as unused product.	
NB:	The user's attention is drawn to the possible existence of regional or national	

regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1275

14.2. UN proper shipping name

Shipping name: PROPIONALDEHYDE

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: ||

14.5. Environmental hazards

Environmentally hazardous: No

14.6. Special precautions for user

Tunnel code: D/E

Transport category: 2

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture

by the supplier.

Marine pollutant: No

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Section 16: Other information

Other information

Other information:	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.
	* indicates text in the SDS which has changed since the last revision.
Phrases used in s.2 and s.3:	H225: Highly flammable liquid and vapour.
	H302+332: Harmful if swallowed or if inhaled.
	H315: Causes skin irritation.
	H318: Causes serious eye damage.
	H335: May cause respiratory irritation.
Legal disclaimer:	The above information is believed to be correct but does not purport to be all inclusive
	and shall be used only as a guide. This company shall not be held liable for any
	damage resulting from handling or from contact with the above product.