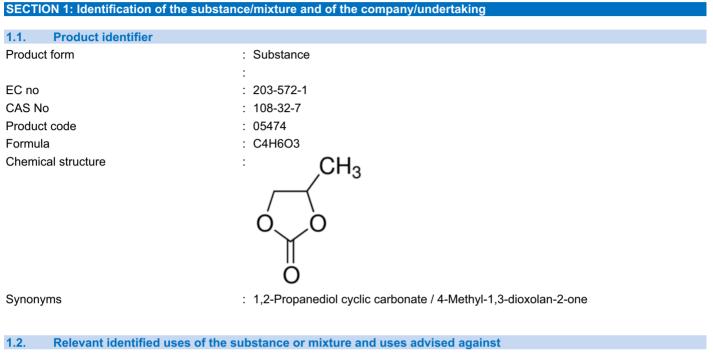




MATERIAL SAFETY DATA SHEET (MSDS)



1.2.1. Relevant identified uses

Use of the substance/mixture

: Laboratory chemicals, Manufacture of substances

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

SPAN LAB UNIT NO. 14,SKY INDUSTRIAL ESTATE,WALIV, VASAI (E) 401208 Mumbai - INDIA PH: +91 9820509929 info@spanlab.in www.spanlab.in

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Serious eye damage/eye H319

irritation, Category 2

Full text of classification categories and H statements : see section 16

Safety Data Sheet

Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects No additional information available

2.2.	Label elements		
Labell	ling according to Regulation ((EC) No. 12	272/2008 [CLP]
Hazaro	d pictograms (CLP)	:	\land

	GHS07
Signal word (CLP)	: Warning
Hazard statements (CLP)	: H319 - Causes serious eye irritation
Precautionary statements (CLP)	: P305+P351+P338 - 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

No additional information available

SECTION 3: Composition/information on ingredients		
2.4 Substance		
3.1. Substance		
Name	: PROPYLENE CARBONATE FOR SYNTHESIS	
CAS No	: 108-32-7	
EC no	: 203-572-1	

Full text of R- and H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures		
4.1. Description of first aid measures		
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.	
First-aid measures after skin contact	: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.	

Safety Data Sheet

First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. If you feel unwell, seek medical advice.
4.2. Most important symptoms and ef	fects, both acute and delayed
Symptoms/injuries after eye contact	: Causes serious eye irritation.
4.3. Indication of any immediate medi	cal attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
	: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
	: Do not use a heavy water stream.
5.2. Special hazards arising from the	substance or mixture
No additional information available	
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.
SECTION 6: Accidental release measures	
6.1. Personal precautions, protective	equipment and emergency procedures
6.1.1. For non-emergency personnel	
	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
	: Use personal protective equipment as required.
Emergency procedures	: Stop release.
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for contain	ment and cleaning up
Methods for cleaning up	: Clear up rapidly by scoop or vacuum.
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
_	: Do not get in eyes, on skin, or on clothing.
Hygiene measures	: Wash thoroughly after handling.
7.2. Conditions for safe storage, inclu	iding any incompatibilities
Storage conditions	: Store in original container. Keep container tightly closed. Store in a dry place. Protect from moisture.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/personal p	protection
8.1. Control parameters	
No additional information available	

Safety Data Sheet

Hand protectionI protective glovesEye protectionI Chanical goggles or safety glassesSkin and body protectionI Wear respiratory protectionRespiratory protectionI Vear respiratory protectionStritory ProtectionI LiquidMalecular massI 102.09 g/molColourI Cear Colorless.Odour thresholdI Veat respiratory of a colorles.Odour thresholdI No data availablePfI A 20.09 g/molColour thresholdI No data availableOdour thresholdI No data availablePfI A 20.09 g/molRelative evaporation rate (butylacetae)I No data availablePfI A 20.09 g/molRelative evaporation rate (butylacetae)I No data availableBoling pointI A 20 CFreezing pointI No data availableBoling pointI S 10 °CCocomposition temperatureI No data availableFlammability (solid, gas)I No data availableIquer pressureI No data availableQuor pressureI No data availableParmability (solid, gas)I S 10 °CRelative vapour density at 20 °CI No data availableIquer pressureI No data availableParmability (solid, gas)I S 10 °CRelative vapour density at 20 °CI S 10 °CRelative vapour density at 20 °CI S 10 °CRelative vapour density at 20 °CI S 10 °CRelative densityI No data availableDensityI S 10 °CRelative densityI No d	8.2. Exposure controls	
Skin and body protection i: Wear respiratory protection Respiratory protection i: Wear respiratory protection SECTION 9: Physical and chemical properties Physical state i: Liquid Molecular mass i: 102.09 g/mol Colour Colour i: 0clour Golden i: 0dourless. Odour intershold i: 0dourless. Colour Golden Odour intershold i: 0dourless. Colour Golden PH i: 7 at 200 g/l at 20 °C Relative evaporation rate (butylacetate) i: No data available Melting point i: 55 °C Freezing point i: No data available Bolling point i: 240 °C Flash point i: 132 °C Auto-ignition temperature i: No data available Flammability (solid, gas) i: No data available Pammability (solid, gas) i: No data available Panmability (solid,		
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Viscosity, dynamic : No data available	Log Pow	: -0.48
	Viscosity, kinematic	: No data available
Explosive properties : No data available	Viscosity, dynamic	: No data available
	Explosive properties	: No data available
Oxidising properties : No data available	Oxidising properties	: No data available
Explosive limits : 0.018 - 0.143 vol %	Explosive limits	: 0.018 - 0.143 vol %

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Salety Data Sheet	
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reacti	ons
No additional information available	
10.4. Conditions to avoid	
Direct sunlight. Overheating. Open flame.	Heat. Sparks.
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition pro	ducts
No additional information available	
SECTION 11: Toxicological information	
11.1. Information on toxicological ef	
11.1. Information on toxicological ef	fects
11.1. Information on toxicological ef	fects
11.1. Information on toxicological ef	fects
11.1. Information on toxicological ef Acute toxicity Skin corrosion/irritation	ffects : Not classified : Not classified pH: 7 at 200 g/l at 20 °C
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SECTION 12: Ecological information

12.1. Toxicity

No additional information available

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12.2. Persistence and degradabilit		
No additional information available		
12.3. Bioaccumulative potential		
PROPYLENE CARBONATE FOR SY	THESIS (108-32-7)	
Log Pow	-0.48	
40.4 Mability in sail		
12.4. Mobility in soil No additional information available		
12.5. Results of PBT and vPvB ass	essment	
No additional information available		
12.6. Other adverse effects		
No additional information available		
SECTION 13: Disposal consideration		
13.1. Waste treatment methods		
No additional information available		
SECTION 14: Transport information		
SECTION 14. Transport mornation		
In accordance with ADR / RID / IMDG /	ATA / ADN	
14.1. UN number		
UN-No. (ADR)	: Not applicable	
UN-No. (IMDG)	: Not applicable	
UN-No.(IATA)	: Not applicable	
UN-No.(ADN)	: Not applicable	
UN-No. (RID)	: Not applicable	
14.2. UN proper shipping name		
Proper Shipping Name (ADR)	: Not applicable	
Proper Shipping Name (IMDG)	: Not applicable	
Proper Shipping Name (IATA)	: Not applicable	
Proper Shipping Name (ADN)	: Not applicable	
Proper Shipping Name (RID)	: Not applicable	
14.3. Transport hazard class(es)		
ADR		
Transport hazard class(es) (ADR)	: Not applicable	
IMDG		
Transport hazard class(es) (IMDG)	: Not applicable	
ΙΑΤΑ		
Transport hazard class(es) (IATA)	: Not applicable	

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ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

PROPYLENE CARBONATE FOR SYNTHESIS is not on the REACH Candidate List PROPYLENE CARBONATE FOR SYNTHESIS is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

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AwSV/VwVwS Annex reference	: Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 3; WGK No 5046)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

15.2. Chemical safety assessment No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation
R36	Irritating to eyes
Xi	Irritant

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product