

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.0  
Prepared on : 08.04.2026  
Revised on : -

## SECTION 1: Identification of the substance/mixture and of the company/undertaking.

### 1.1 Product identifiers

**Product name** Span 80  
**Product Number** PSR37144  
**Brand** PureSynth research chemicals  
**CAS No.** 1338-43-8

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

**Identified uses** : Laboratory Chemicals

### 1.3 Details of the supplier of the safety data sheet

**Company** PureSynth Research Chemicals GmbH  
64683 Einhausen Marie-Curie-StraBe. 3, Germany

### 1.4 Emergency telephone number

**Worldwide Helpline No.:** 1800-8908-260

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### 2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### 2.3 Other hazards:

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition / information on ingredients

### 3.1 Substances

Common names & Synonyms	Mol. formula	CAS number
Span 80	C <sub>24</sub> H <sub>44</sub> O <sub>6</sub>	428.62 g/mol

#### SECTION 4: First aid measures

<b>Description of first aid measures</b>	
<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>If inhaled</b>	After inhalation: fresh air.
<b>In case of skin contact</b>	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower
<b>In case of eye contact</b>	After eye contact: rinse out with plenty of water. Remove contact lenses.
<b>If swallowed</b>	After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.
<b>Most important symptoms and effects, both acute and delayed</b>	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
<b>Indication of any immediate medical attention and special treatment needed</b>	No data available

#### SECTION 5: Firefighting measures

<b>Extinguishing media</b>	Water Foam Carbon dioxide (CO <sub>2</sub> ) Dry powder
<b>Suitable extinguishing media</b>	Carbon oxides
<b>Special hazards arising from the substance or mixture</b>	Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
<b>Advice for firefighters</b>	In the event of fire, wear self-contained breathing apparatus.
<b>Further information</b>	Prevent fire extinguishing water from contaminating surface water or the ground water system.

#### SECTION 6: Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
<b>Environmental precautions</b>	Do not let product enter drains.
<b>Methods and materials for containment and cleaning up</b>	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb <sup>®</sup> ). Dispose of properly. Clean up affected area.
<b>Reference to other sections</b>	For disposal see section 13.

#### SECTION 7: Handling and storage

<b>Precautions for safe handling</b>	For precautions see section 2.2.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed. Recommended storage temperature see product label.
<b>Specific end use(s)</b>	Storage class (TRGS 510): 10: Combustible liquids Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: Exposure controls / Personal protection

<b>Control parameters</b>	Components with workplace control parameters
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Personal protective equipment:</b>	
<b>Eye / face protection</b>	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
<b>Skin protection</b>	not required
<b>Body Protection</b>	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Respiratory protection</b>	Not required; except in case of aerosol formation.
<b>Control of environmental exposure</b>	Do not let product enter drains.

## SECTION 9: Physical and chemical properties

<b>Appearance</b>	Form: liquid Colour: yellow
<b>Odour</b>	No data available
<b>pH - Value</b>	No data available
<b>Density</b>	1.0 g/cm <sup>3</sup> at 20 °C
<b>Boiling Point</b>	No data available
<b>Melting Point</b>	No data available
<b>Solubility in water</b>	No data available
<b>Flash point</b>	> 113,00 °C - closed cup
<b>Vapour pressure</b>	No data available
<b>Auto -ignition temperature</b>	No data available
<b>Vapour density</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Partition coefficient: n- octanol / water</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Upper / lower flammability or explosive limits</b>	No data available
<b>Oxidizing properties</b>	No data available

**Other safety information:** No data available

## SECTION 10: Stability and reactivity

<b>Reactivity</b>	No data available
<b>Chemical stability</b>	The product is chemically stable under standard ambient conditions (room temperature) .
<b>Possibility of hazardous reactions</b>	No data available
<b>Condition to avoid</b>	No data available
<b>Incompatible materials</b>	No data available
<b>Hazardous decomposition products</b>	In the event of fire: see section 5

## SECTION 11: Toxicological information

<b>Acute toxicity</b>	Oral: No data available Inhalation: No data available Dermal: No data available
<b>Skin corrosion/irritation</b>	Skin – Rabbit Result: Mild skin irritation
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	Test Type: Human Test system: lymphocyte Remarks: DNA inhibition
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	RTECS: Not available
<b>Additional Information</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological information

<b>Toxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
<b>Other adverse effects</b>	No data available

## SECTION 13: Disposal considerations

<b>Waste treatment methods</b>	No data available
<b>Products</b>	
<b>Contaminated packaging</b>	Dispose of as unused product.

**SECTION 14: Transport information**

	UN no.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>ADR / RID</b>	-	Not dangerous goods	-	-	No
<b>IMDG</b>	-	Not dangerous goods	-	-	No
<b>IATA</b>	-	Not dangerous goods	-	-	No

**SECTION 15: Regulatory information**

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical safety assessment**

For this product a chemical safety assessment was not carried out

**SECTION 16: Other information**

The information in this SDS 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. The user must be determined suitability of this information for his application.