

SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Revision date: 30/03/2019

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

1.1 Product identifiers

Product name	Methanol Dried (Max 0.005 % H ₂ O)
Product Number	PSR37736
Brand	PureSynth research chemicals
CAS No.	67-56-1

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

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company	PureSynth Research Chemicals Pvt. Ltd.
	A-27, A.P.I.E, Hyderabad, Telangana-500037

1.4 Emergency telephone number

Worldwide Helpline No.: 1800-120-1234-34

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

Acute Tox. 3 H301 Toxic if swallowed.

Acute Tox. 3 H311 Toxic in contact with skin.

Acute Tox. 3 H331 Toxic if inhaled.

STOT SE 1 H370 Causes damage to the central nervous system and the visual organs.

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word Danger

Hazard statement(s)

H225 Highly flammable liquid and vapor

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled

H370 Causes damage to the central nervous system and the visual organs

Precautionary statement(s)

P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection
P321	Specific treatment (see on this label).
P330	Rinse mouth
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated Clothing. Rinse skin with water.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.
Supplemental Hazard Statements	None

2.3 **Other hazards:** No data available

SECTION 3: Composition / information on ingredients

3.1 Substances

Common names & Synonyms	Mol. formula	CAS number
Methyl alcohol	CH ₄ O	67-56-1
Component	Classification	Concentration
-	-	-

SECTION 4: First aid measures

Description of first aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation. If breathing stops: mouth-to-mouth respiration or mechanical ventilation, oxygen mask if necessary. Immediately call a physician.
In case of skin contact	Call a doctor immediately. Immediately wash with water and soap and rinse thorough
In case of eye contact	Rinse opened eye for several minutes under running water. Then consult a doctor.
If swallowed	Do not induce vomiting; call for medical help immediately. Drink plenty of water and provide fresh air. Call for a doctor immediately
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

SECTION 5: Fire fighting measures

Extinguishing media	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Suitable extinguishing media	In case of fire, the following can be released: Carbon monoxide and carbon dioxide
Special hazards arising from the substance or mixture	Combustible. Forms explosive mixtures with air at ambient temperatures. Formaldehyde Vapors are heavier than air and may spread along floors. Beware of backfiring.
Advice for fire-fighters	Mouth respiratory protective device. Wear self-contained respiratory protective device. Wear fully protective suit.
Further information	Cool endangered receptacles with water spray. Collect contaminated firefighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated firefighting water in accordance with official regulations. Contain escaping vapors with water.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources. Avoid substance contact. Do not inhale steams/aerosols
Environmental precautions	Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water
Methods and materials for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Clean up affected area
Reference to other sections	For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling	Keep receptacles tightly sealed. Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air)
Conditions for safe storage, including any incompatibilities	Store in a cool location. Away from sources of ignition and heat. This product is hygroscopic. Keep container tightly sealed. Store in cool, dry conditions in well-sealed receptacles. Protect from heat and direct sunlight. Open receptacle only under localized extractor facilities. Store receptacle in a well-ventilated area. Store only outside or in explosion proof rooms. Store under lock and key and with access restricted to technical experts or their assistants only. Accessible for authorized persons only Recommended storage temperature: Room Temperature Storage class:3

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls / Personal protection

Control parameters	No data available.
Exposure controls	
Appropriate engineering controls	No data available.
Personal protective equipment:	
Eye / face protection	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.
Skin protection	Avoid contact with the eyes and skin. Wash hands before breaks and at the end of work.
Body Protection	Solvent resistant protective clothing.
Respiratory protection	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Control of environmental exposure	Do not let product enter drains. Risk of explosion.

SECTION 9: Physical and chemical properties

Appearance	Form: Liquid Colour: Colourless
Odour	Alcohol-like
pH - Value	No data available
Density	0.792 g/cm ³
Boiling Point	64.7 °C
Melting Point	-98 °C
Solubility in water	Fully miscible.
Flash point	10 °C
Vapour pressure	128 hPa
Auto -ignition temperature	455 °C
Vapour density	No data available
Flammability (solid, gas)	Highly flammable liquid and vapour.
Evaporation rate	No data available
Partition coefficient: n- octanol / water	-0.77211
Viscosity	No data available
Explosive properties	Product is not explosive. However, formation of Explosive air/vapour mixtures are possible.
Upper / lower flammability or explosive limits	Lower: 5.5 Vol % Upper: 44 Vol %
Oxidizing properties	No data available

Other safety information: No data available

SECTION 10: Stability and reactivity

Reactivity	No data available
Chemical stability	Visible decomposition with spontaneous ignition on heating. Reacts with oxidising agents.
Possibility of hazardous reactions	Danger of explosion. Forms explosive gas mixture with air.
Condition to avoid	Warming
Incompatible materials	Various plastics oxidizing agent
Hazardous decomposition products	In the event of fire: See chapter 5

SECTION 11: Toxicological information

Acute toxicity	Toxic if swallowed, in contact with skin or if inhaled.
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	NOAEL (Fertility) 0.13 mg/kg bw/day (rat) Causes damage to the central nervous system and the visual organs
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	Inhalative NOAEL 1.06 mg/l (rat)
Additional Information	No data available

SECTION 12: Ecological information

Toxicity	
Toxicity to fish	LC50/96 h 15,400 mg/l
Toxicity to daphnia and other aquatic invertebrates	EC50/48 h >10,000 mg/l
Persistence and degradability	No data available
Biodegradability	No data available
Bio accumulative potential	-0.77 log Pow
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available.
Endocrine disrupting properties	The product does not contain substances with endocrine disrupting properties Do not allow product to reach ground water, water course or sewage system.
Other adverse effects	Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

Waste treatment methods	Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleansed containers like the product itself.
Products	
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport information

	UN no.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
ADR / RID	1230	METHANOL	3(6.1)	II	No
IMDG	1230	METHANOL	3(6.1)	II	No
IATA	1230	METHANOL	3(6.1)	II	No

SECTION 15: Regulatory information

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

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

Authorisations and/or restrictions on use : Methanol

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)

National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous Substances. : ACUTE TOXIC
: FLAMMABLE LIQUIDS

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.