



# Loose in the Lab

Seriously Funny Science

## Material Safety Data Sheet (MSDS)

MSDS #: LL44005m

Revision Date: Nov 20, 2006

### Polyvinyl Alcohol

#### Section 1 Chemical Product and Company Identification

### Polyvinyl Alcohol (CH<sub>2</sub>CHOH)

Loose in the Lab, inc. 9462 So. 560 W. Sandy, UT 84070 (888) 403-1189

#### Section 2 Composition, Information on Ingredients

Polyvinyl Alcohol

CAS#: 9002-89-5

#### Section 3 Hazards Identification

White to cream colored powder. Odorless.

Substance not considered hazardous. However, not all health aspects of this substance have been thoroughly investigated.

#### Quick Reference:

Health - 0

Flammability - 0

Reactivity - 0

Exposure - 0

Storage - 0

0 is Low hazard

3 is High hazard

#### Section 4 First Aid Measures

Call a physician, seek medical attention for further treatment, observation and support after first aid.

**Inhalation:** Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

**Eye:** Immediately flush with fresh water for 15 minutes.

**External:** Wash continuously with fresh water for 15 minutes.

**Internal:** Give large quantities of water. Call a physician or poison control at once.

#### Section 5 Fire Fighting Measures

Combustible solid.

**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

#### NFPA CODE

None

Established

#### Section 6 Accidental Release Measures

Restrict unprotected personnel from area. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

#### Section 7 Handling and Storage

Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides.

#### Section 8 Exposure Controls, Personal Protection

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.



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### Section 9 Physical and Chemical Properties

White to cream colored powder. Odorless.

Synthetic polymer. Decomposes at 200 C.

Solubility: Soluble in hot water.

Formula:  $(\text{CH}_2\text{CHOH})_x$

Specific Gravity: 2.031

### Section 10 Stability and Reactivity

Shelf Life: Indefinite.

### Section 11 Toxicological Information

Acute effects: N.A.

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD50: >11000 mg/kg

IHL-RAT LC50: N.A

SKN-RBT LD50: N.A

### Section 12 Ecological Information

Data not yet available.

### Section 13 Disposal Considerations

Please consult with state and local regulations.

### Section 14 Transport Information

Shipping Name: Not regulated

Hazard Class: N/A

UN Number: N/A

*N/A = Not applicable*

### Section 15 Regulatory Information

Not listed.

### Section 16 Other Information

Consult your copy of the Loose in the Lab Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Loose in the Lab Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Loose in the Lab Inc. assumes no legal responsibility for use or reliance upon this data.