

MATERIAL SAFETY DATA SHEET

Pentaerythritol

1. Identification of the substance / preparation and of the company

Trade name	PENTAERYTHRITOL,
Manufacturer / Supplier	
Company Identification: (INDIA)	Veritas House, 70 Mint Road, Fort, Mumbai - 400 001. INDIA
For information in the INDIA, call:	Tel: +91 - 22 - 2275 5555 / 6184 0000, Fax: +91 - 22 - 2275 5556 / 6184 0001

2. Composition/ Information on Ingredients:

CAS No.	Identification Number(s)
115-77-5 Pentaerythritol	EINECS Number204-104-9

3. Hazard Identification:

Hazard description	Not applicable
Information concerning particular hazard for human and environment	No data available

4. First-Aid Measures:

After inhalation	Supply fresh air. Consult doctor in case of complaints.
After skin contact	Generally the product does not irritate the skin.
After eye contact	Rinse opened eye for several minutes under running water.
After swallowing	Rinse out mouth and then drink plenty of water.

5. Fire-Fighting Measures:

Suitable extinguishing agents	CO ₂ , Powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
-------------------------------	---

6. Accidental Release Measures:

Person-related safety precautions	Use respiratory protective device.
Measures for cleaning/collecting	Dispose contaminated material as waste according to item 13.

7. Handling and Storage:

Handling	
Information for safe handling	Prevent dust formation.
Information about fire and explosion protection	Dust can form explosive mixture with air.
Storage	
Requirements to be met by store rooms and	Store in a cool location.

receptacles

8. Exposure Controls / Protection:

Ingredients with limit values that require monitoring at the work place: Not required.

115-77-5 Pentaerythritol

OES	Short term value *20mg/m ³ Long term value * 10mg, ** 4 mg/m ³
* total inhalable dust, ** respirable dust.	
Personal protective equipment	
General protective and hygienic measures	The usual precautionary measures are to be followed when handling chemicals.
Respiratory protection	Suitable respiratory protective device recommended.
Protection of hands	Natural rubber.
Eye protection	Safety goggles.

9. Physical and Chemical Properties:

General information:	
Form	Crystalline powder
Colour	White
Odour	Odourless
Change in condition	
Melting point / Melting Range	240°C
Boiling Point / Boiling range	--
Flash point: (TCC)	240oC
Density AT 20°C	390 KG/m ³
Bulk density at 20°C	700 - 885 kg/m ³
Solubility in / Miscibility with water at 20oC	50 g/l
Partition coefficient (n-octanol / water) (Log POW)	1.7

10. Stability & Reactivity:

Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Dangerous reactions	Not known.
Dangerous decomposition products	No dangerous decomposition products known.

11. Toxicological Information:

Acute toxicity:	
LD/LC50 values relevant for classification:	Oral/LD 50 / approx. 19500 mg/kg(rat)
Primary irritant effect:	
On the skin	No irritating effect.
On the eye	No irritating effect.
Sensitization	No sensitizing effect known.

12. Ecological Information:

Information About Elimination (Persistence And Eco-degradability):	
Other information	The product is bio-degradable.
Behaviour in environmental systems	
Mobility and bio-accumulation potential	Due to the distribution coefficient, n-octanol/water, an accumulation in organisms is not expected.
Ecological effects:	Harmless to fish up to the tested concentration.
General Notes:	Water hazard class 1 (German Regulation) (Assessment by list): Slightly hazardous for water.

13. Disposal Conditions:

Dispose of waste containers and unused contents in accordance with official regulations.

14. Transit Information:

Land transport ADR/RID (cross-border).	Not classified
ADR/RID class: --	Not classified

15. Regulatory Information:

Labeling according to EU guidelines: The produce is not subjected to classification according to EU lists and other known sources of literature. Observe general safety regulations for handling chemicals.

National regulations (air): Class - III Share %: 100.0

Water hazard class: Water hazard Class 1 (Assessment list): Slightly hazardous for water.

16. Other Information:

MSDS Creation Date:	July 24, 2015
Revision #0 Date	

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.