



FACI ASIA PACIFIC PTE LTD
發基亞太私人有限公司

MATERIAL SAFETY DATA SHEET
(according to EC-Directive 91/155/EEC and further amendments)

PENTAERYTHRITOL TETRASTEARATE
(all grades)

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Commercial name **PENTAERYTHRITOL TETRASTEARATE**
1.2 Producer **FACI ASIA PACIFIC PTE LTD**
1 Merlimau Place, Jurong Island
Singapore 627862
1.3 Telephone No. (65) 6896-7088
1.4 Fax No. (65) 6896-7015

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Main component Esters obtained from pentaerythritol and commercial stearic acid

EINECS no.	Formula	EINECS name	CAS no.
2041101	$C_{77}H_{148}O_8$	Octadecanoic acid, 2,2-bis[(1-oxooctadecyl)oxy]methyl]-1,3-propanediyl ester	115-83-3
2852029	--	Fatty acids, C_{8-18} and C_{18} -unsatd., esters with pentaerythritol	85049-33-8

INCI Name Pentaerythrityl Tetrastearate

Average Molecular weight 1160

Concentration 99% approx.

2.2 Additives none

3. HAZARDS IDENTIFICATION

3.1 If properly used no negative effects are noticed.

4. FIRST-AID MEASURES

4.1 Inhalation: move to fresh air.

4.2 Skin contact: wash off with soap and plenty of water.

4.3 Eye contact: rinse with plenty of water.

4.4 After ingestion: Flush oral cavity and drink water. Do not induce vomiting without medical advice.

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5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media: foam, water-spray, carbon dioxide, powder.
- 5.2 Extinguishing media not to be used: water jet.
- 5.3 Specific hazards: do not inhale dust, fume and vapour.
- 5.4 Special protective equipment for fire fighters: respirator.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions: do not smoke.
- 6.2 Environmental precautions: keep out of sewers, drains and surface waters.
- 6.3 Methods for cleaning up: sweep up spilled substance. Stored in a closed container.

7. HANDLING AND STORAGE

- 7.1 Handling: no special handling advice required.
- 7.2 Storage: store in a cool dry place.
- 7.3 Shelf life: 12 months.

8. EXPOSURE CONTROLS-PERSONAL PROTECTION

- 8.1 Respiratory protection: dust mask.
- 8.2 Hand protection: gloves.
- 8.3 Eye protection: goggles.
- 8.4 Skin and body protection: lightweight protective clothing. Use antistatic working shoes.
- 8.5 General sanitary measures: while working do not eat, drink or smoke; before break wash hands. Change contaminated clothing. Clean whole body after working.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical form at room temperature	solid
9.2 Appearance	powder, flakes
9.3 Colour	white
9.4 Odour	slightly fatty
9.5 Melting point	60-65°C
9.6 Decomposition temperature	> 200°C
9.7 Water solubility	insoluble
9.8 Known solvents	--
9.9 Density at 70°C	0.86 g/cc
9.11 Flash Point	200°C approx. (C.O.C. method)
9.12 Ignition temperature	> 240°C

10. STABILITY AND REACTIVITY

- 10.1 Conditions to avoid: --
- 10.2 Materials to avoid: strong oxidizing agents.
- 10.3 Hazardous decomposition products: stable at normal storage and handling temperatures.

11. TOXICOLOGICAL INFORMATION

- 11.1 LD₅₀/oral/rat: --

12. ECOLOGICAL INFORMATION

- 12.1 Persistence and degradability : biodegradable.
- 12.2 Water hazard class: 1 according to No. 2.1.1 of VwVws dd 17.05.1999 (Identification No. 526).

13. DISPOSAL CONSIDERATIONS

13.1 Waste from residues/unused products: can be land-filled in accordance with local and national regulations.

13.2 Contaminated packaging: in accordance with local and national regulations.

14. TRANSPORT INFORMATION

14.1 Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

15.1 Classification according to European Directive 90/492/EEC on hazardous preparations.

Contains:	Pentaerythritol Tetrastearate
R-phrases:	None
S-phrases:	None

15.2 Labelling: European Directive 88/379/EEC
According to our data the product is not harmful within the meaning of the above-mentioned directive.

16. OTHER INFORMATION

Inventory Status:

On:	
TSCA	Inventory – January 2005 TSCA Inventory
DSL	Supplement to Canada Gazette, Part I, January 26, 1991
EINECS	Annex to Official Journal of the European Communities, 15 June 1990
ENCS	Unlisted chemical name. For ENCS chemical class or category name, refer to ENCS No. 2-649X
AICS	Australian Inventory of Chemical Substances, June 1996 Ed.
ELC	Korean Existing Chemical list, January 1997 – ECL Serial No. KE-26341
PICCS	Philippines Inventory of Chemical Substances, 2000
ASIA-PAC	--

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