

MATERIAL SAFETY DATA SHEET

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PENTAERYTHRITOL TETRASTEARATE

Issue date: 21 December 2022

Revision date: July 31th, 2020 REVISION 3

Presentation and rules of drafting in conformity with the regulation (CE) 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

1. PRODUCT AND COMPANY IDENTIFICATION

Substance exempted following amendment V of the REACH regulation.

1.1 PENTAERYTHRITOL TETRASTEARATE

1.2 Substance/use: Lubricant

1.3. Companies Identification:

Supplier: Assistance Distribution Chimie

123 rue Marie Curie

26780 Châteauneuf-du-Rhône

Phone number: +33 (0)4 75 54 35 05

E-Mail: contact@adc-chimie.com

Producer: FACI S.p.A

Italia

Emergency telephone: ORFILA 33 (0)1 45 42 59 59

ANTI-POISON CENTERS:

Paris: 33(0) 1 40 05 48 48 –

Angers: 33 (0)2 41 48 21 21

Bordeaux: 33 (0)5 56 96 40 80

Lille: 0 825 812 822

Lyon: 33 (0)3 4 72 11 69 11

Marseille: 33(0) 4 91 75 25 25

Nancy: 33 (0)3 83 32 36 36

Rennes: 33 (0)2 99 59 22 22

Strasbourg: 33 (0)3 88 37 37 37

Toulouse: 33 (0)5 61 77 74 47

Toxicovigilance centers:

GRENOBLE – REIMS - ROUEN

2. HAZARDS IDENTIFICATION.

2.1 Classification:

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP]: not classified

2.1.2 Adverse physicochemical, human health and environmental effects: no additional information available.

2.2 Label elements:

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

no labelling applicable.

2.3 Other hazards not contributing to the classification:

this substance does not meet the criteria for classification as PBT or vPvB.

May form combustible dust concentrations in air.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

3.1 Identification of the substance:

PENTAERYTHRITOL TETRASTEARATE

EINECS N°

CAS number

REACH number

%

293-029-5

91050-82-7

01-2119971071-44

99

3.2 Mixtures: not applicable.

4. FIRST AID MEASURES:

4.1 Description of first aid measures:

4.1.1 Inhalation:

Give artificial respiration if necessary. Immediately get medical attention.

4.1.2 Skin contact:

Immediately flush skin with plenty of water for at least 15 minutes.

Remove contaminated clothes.

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- 4.1.3 Eye contact: Immediately flush eyes thoroughly with water for at least 15 minutes.
Immediately get medical attention.
- 4.1.4 Ingestion: If accidentally swallowed obtain immediate medical attention.
- 4.2 Symptoms/effects after eye contact:
None
- 4.3 Indication of any immediate medical attention and special treatment needed:
No additional information available.
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5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media:
5.1.1 Suitable extinguishing media: carbon dioxide, water, dry chemical powder. Use fire-extinguishing media appropriate for surrounding materials.
- 5.2 Special hazards arising from the substance or mixture:
5.2.1 Fire hazard: do not breathe fumes.
5.2.2 Hazardous decomposition products in case of fire: Toxic fumes may be released.
- 5.3 Advice for firefighters:
Protective equipment for firefighters: Use self-contained breathing apparatus and chemically protective clothing.
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6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal precautions, protective equipment and emergency procedures:
6.1.1 For non-emergency personnel:
Protective equipment: Wear suitable clothing. Wear recommended personal protective equipment. Refer to section 8.
Emergency procedures: Immediately contact emergency personnel. Evacuate area.
- 6.1.2 For emergency responders:
Protective equipment: In case of fire: Wear self-contained breathing apparatus. Wear suitable protective clothing. Wear recommended personal protective equipment.
Emergency procedures: Evacuate and limit access.
- 6.2 Environmental precautions: Do not allow to enter into ground-water, surface water or drains.
- 6.3 Methods and material for containment and cleaning up:
For containment: Eliminate leaks immediately.
Methods for cleaning up: Residue may be washed down with water. Take up mechanically and collect in suitable container for disposal. Rinse with water.
- 6.4 For disposal of residues: refer to section 13: Disposal considerations. Refer to section 8.
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7. HANDLING AND STORAGE:

- 7.1 Handling: Store locked up. Keep away from incompatible materials. Eliminate all ignition sources if safe to do so.
- 7.2 Conditions for safe storage, including any incompatibilities:
7.2.1 Storage: Keep container tightly closed. Store locked up.
7.2.2 Maximum storage period: 12 months
7.2.3 Heat and ignition sources: Keep away from open flames, hot surfaces and sources of ignition.
7.2.4 Special rules on packaging: Keep only in original container.
- 7.3 Specific end use: not available.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

- 8.1 Control parameters: No additional information available.

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8.2 Exposure controls: not available

8.2.1 Appropriate engineering controls: Provide adequate ventilation to minimize dust concentrations. Either local exhaust or general room ventilation is usually required. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2 Personal protective equipment: Gloves. In case of dust production: protective goggles. Protective clothing. Respiratory protection.

8.2.3 Materials for protective clothing: Wear chemical resistant protective clothing (EN 14605) and protective shoes (S1P or S3)

8.2.4 Hand protection: Wear suitable gloves tested to EN 374. Thickness of glove material: > 0.11 mm. Breakthrough time : > 480 min. Nitrile rubber

8.2.5 Eye protection: In case of dust production: protective goggles. EN 166

8.2.6 Respiratory protection: Dust production: dust mask with filter type P2

8.2.7 Personal protective equipment symbol(s):



8.2.8 Environmental exposure controls: Avoid breathing dust.

9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Physical form at room temperature:

Appearance:	Solid
Colour:	Powder
Odor:	White
	Slight fatty

9.2 Important health, safety and environmental information:

pH:	no data available.
Boiling point:	not applicable
Melting point:	60 - 65 °C
Freezing point:	not available
Flash point:	200 °C (C.O.C. method)
Autoignition temperature:	>240 °C
Decomposition temperature:	>200 °C
Flammable limits in air:	no data available.
Explosive properties:	Product: no Dust/air: may form explosive mixture
Oxidizing properties:	none
Vapor pressure:	no data available
Log Pow:	no data available.
Density:	0.86 g/cm ³ (70°C)
Solubility:	Ethanol: not available.
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	not available
Viscosity:	not available
Vapor density:	not available
Evaporation rate:	none

9.3 Other information: VOC content = 0 Directive 2010/75/EC

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10. STABILITY AND REACTIVITY:

10.1 Reactivity:	stable under normal conditions of use.
10.2 Chemical stability:	stable under normal conditions of use.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	no additional information
10.5 Incompatible materials:	no additional information
10.6 Hazardous decomposition products:	no additional information.

11. TOXICOLOGICAL INFORMATION:

11.1 Acute toxicity:	not classified.
11.2 LD50 (oral/rat):	>5g/kg
11.3 Toxicity:	
Skin corrosion/irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT-single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

12. ECOLOGICAL INFORMATION:

12.1 Toxicity:	
Acute aquatic toxicity:	not classified
Chronic aquatic toxicity:	not classified
12.2 Persistence and degradability:	no additional information available.
12.3 Bioaccumulative potential:	no additional information available.
12.4 Mobility in soil:	not available
12.5 Results of PBT assessment:	not available
12.6 Other adverse effects:	not available

13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment methods:	Empty containers can be dumped according to local legislation.
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14. TRANSPORT INFORMATION:

14.1 Not classified as dangerous in the meaning of transport regulations:	IMDG, ADR, ADN, RID, IATA
14.2 Special precautions for user:	
Overland transport:	not applicable
Transport by sea:	not applicable
Air transport:	not applicable
Inland waterway transport:	not applicable
Rail transport:	not applicable
14.3 Transport in bulk according to Annex II of Marpol and the IBC Code:	not applicable.

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15. REGULATORY INFORMATION:

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

15.1.1 EU-Regulations:

No REACH Annex XVII restrictions

PENTAERYTHRITOL TETRASTEARATE is not on the REACH Candidate List

PENTAERYTHRITOL TETRASTEARATE is not on the REACH Annex XIV List

VOC content = 0 Directive 2010/75/EC

15.1.2 National Regulations

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on Turkish inventory of chemical

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Germany

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands:

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: The substance is not listed

Denmark:

Classification remarks: Emergency management guidelines for the storage of flammable liquids must be followed.

15.2 Chemical safety assessment: No additional information available.

16. OTHER INFORMATION:

16.1 Abbreviations and acronyms:

CLP - Classification, Labelling and Packaging

REACH - Registration, Evaluation, Authorization and Restriction of Chemicals

SDS - Safety Data Sheet

CSR - Chemical Safety Report

Overland transport (ADR)

CAS (Chemical Abstracts Service) number

PBT - Persistent, Bioaccumulative and Toxic substance

vPvB - Very Persistent and Very Bioaccumulative

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

LD50 Median lethal dose

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17. OTHER INFORMATION:

17.1 No restriction for this chemical under normal condition of uses.

This MSDS completes the technical data sheet but does not replace it. The information provided in this Safety Data Sheet is correct to the best of our knowledge information and belief at the date of its revision. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, distribution, uses and cleaning, disposal and release in a security state and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text.

We caution the users to the incurred possible risks when the product is used at other ends than the use for which it is planned.

It exempts under no circumstances the user from knowing and applying all the texts regulating its activity. The user will take under its only responsibility the precautions linked to the use which he makes of the product.

Active

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