

Safety Data Sheet

According to Government decree No. 108/2008/ND-CP detailing and guiding a number of articles of the law on chemicals, circular No. 04/2012/TT-BCT of the ministry of trade and industry : Regulation on classification and labelling of chemicals (GHS 2009)



ETILINAS PETLIN LDPE

Version 1.1

Release Date: 2022/07/14

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ETILINAS PETLIN LDPE
Synonyms : Low Density Polyethylene; ethylene-based homopolymer; LDPE
CAS-No. : 9002-88-4

Recommended use of the chemical and restrictions on use

Recommended use : For industrial use only. Raw material in the manufacture of plastic products including film, pipes, wires, cables and ducting
Restrictions on use : Do not use this product other than stated in recommended use without first seeking the advice of the principal supplier.

Manufacturer or supplier's details

Headquarters

Company : PETRONAS Chemicals Group Berhad
Address : Tower 1, PETRONAS Twin Towers,
Kuala Lumpur City Centre,
50088 Kuala Lumpur
Malaysia

Plant Site

Company : PETRONAS Chemicals LDPE Sdn Bhd
Address : Lot 9717, PETRONAS Petroleum Industry Complex,
KM 105 Jalan Kuantan - Kuala Terengganu,
24300 Kerteh, Kemaman
Terengganu,
Malaysia

Emergency telephone number : 24-Hour Emergency Contact: +65 3163 8374

2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance
Substance name : Low Density Polyethylene; ethylene-based homopolymer;
LDPE
CAS-No. : 9002-88-4

Components

No hazardous ingredients

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4. FIRST AID MEASURES

If inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a medical doctor.
In case of eye contact	:	Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do NOT give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a medical doctor.
General advice	:	Do not leave the victim unattended.
Most important symptoms and effects, both acute and delayed	:	No information available.

5. FIREFIGHTING MEASURES

Specific extinguishing methods	:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Avoid dust formation.
Methods and materials for containment and cleaning up	:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling	:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Conditions for safe storage	:	Electrical installations / working materials must comply with the technological safety standards.
Materials to avoid	:	No materials to be especially mentioned.
Further information on	:	No decomposition if stored and applied as directed.

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storage stability

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Eye protection : Safety glasses
- Skin and body protection : Protective suit
- Hygiene measures : General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : pellets
- Colour : opaque
- Odour : Odourless
- Odour Threshold : No data available
- pH : Not applicable
- Melting point/range : 104 - 115 °C

- Boiling point/boiling range : 290 °C
- Flash point : 360 °C
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper explosion limit / Upper flammability limit : No data available
- Lower explosion limit / Lower flammability limit : No data available
- Vapour pressure : Not applicable
- Relative vapour density : Not applicable
- Relative density : 0,915 - 0,935
- Density : 915 - 935 kg/m³
- Solubility(ies)
 - Water solubility : Negligible
 - Partition coefficient: n-octanol/water : Not applicable
- Auto-ignition temperature : 360 °C
- Decomposition temperature : 300 °C

- Viscosity
 - Viscosity, dynamic : No data available
 - Viscosity, kinematic : No data available

10. STABILITY AND REACTIVITY

- Reactivity : Hazardous polymerisation does not occur.

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Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Heat, sparks, flame and build-up of static electricity.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Fumes, smoke, carbon monoxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Remarks: No data available
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available

Skin corrosion/irritation

Product:

Remarks	:	No data available
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Serious eye damage/eye irritation

Product:

Remarks	:	No data available
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Respiratory or skin sensitisation

Product:

Exposure routes	:	Skin contact
Remarks	:	No data available
Exposure routes	:	Inhalation
Remarks	:	No data available

Germ cell mutagenicity

Product:

Germ cell mutagenicity - Assessment	:	No data available
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Carcinogenicity

Product:

Carcinogenicity - Assessment	:	No data available
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Reproductive toxicity

Product:

Reproductive toxicity - Assessment	:	No data available
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STOT - single exposure

Product:

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Remarks : No data available

STOT - repeated exposure

Product:

Remarks : No data available

Aspiration toxicity

Product:

Statement on Aspiration Tox. : No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae : Remarks: No data available

Toxicity to fish (Chronic toxicity) : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No data available

Toxicity to microorganisms : Remarks: No data available

Persistence and degradability

Product:

Biodegradability : Remarks: No data available

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Mobility in soil

Product:

Mobility : Medium: Soil
Remarks: Immobile

Other adverse effects

Product:

Additional ecological information : No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

15. REGULATORY INFORMATION

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

The components of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory.
TSCA	: All substances listed as active on the TSCA inventory
AICS	: On the inventory, or in compliance with the inventory.
DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory.
ISHL	: On the inventory, or in compliance with the inventory.
KECI	: On the inventory, or in compliance with the inventory.
PICCS	: On the inventory, or in compliance with the inventory.
IECSC	: On the inventory, or in compliance with the inventory.
NZIoC	: On the inventory, or in compliance with the inventory.

16. OTHER INFORMATION

Revision Date	: 2022/07/14
Sources of key data used to compile the Safety Data Sheet	: ECHA - European Chemicals Agency

Full text of other abbreviations

(Q)SAR	-	(Quantitative) Structure Activity Relationship
ACGIH	-	American Conference of Governmental Industrial Hygienists
AICS	-	Australian Inventory of Chemical Substances
ANTT	-	National Agency for Transport by Land of Brazil
ASTM	-	American Society for the Testing of Materials
bw	-	Body weight
C	-	Ceiling
CCHC	-	Chemicals Classification and Hazard Communication
CEIL	-	Ceiling



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ChV	-	Chronic Toxicity Value
CMR	-	Carcinogen, Mutagen or Reproductive Toxicant
CPR	-	Controlled Products Regulations
DIN	-	Standard of the German Institute for Standardisation
DSL	-	Domestic Substances List (Canada)
ECx	-	Concentration associated with x% response
ELx	-	Loading rate associated with x% response
EmS	-	Emergency Schedule
ENCS	-	Existing and New Chemical Substances (Japan)
ErCx	-	Concentration associated with x% growth rate response
ERG	-	Emergency Response Guide
GHS	-	Globally Harmonized System of Classification and Labelling of Chemicals
GLP	-	Good Laboratory Practice
IARC	-	International Agency for Research on Cancer
IATA	-	International Air Transport Association
IBC	-	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50	-	Half maximal inhibitory concentration
ICAO	-	International Civil Aviation Organization
ICOP	-	Industry Code of Practice on Chemicals Classification and Hazard Communication
IECSC	-	Inventory of Existing Chemical Substances in China
IMDG	-	International Maritime Dangerous Goods
IMO	-	International Maritime Organization
ISHL	-	Industrial Safety and Health Law (Japan)
ISO	-	International Organisation for Standardization
KECI	-	Korea Existing Chemicals Inventory
LC50	-	Lethal Concentration to 50 % of a test population
LD50	-	Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL	-	International Convention for the Prevention of Pollution from Ships
MY PEL	-	Malaysian Permissible Exposure Limit
n.o.s.	-	Not Otherwise Specified
Nch	-	Chilean Norm
NITE	-	National Institute of Technology and Evaluation
NO(A)EC	-	No Observed (Adverse) Effect Concentration
NO(A)EL	-	No Observed (Adverse) Effect Level
NOELR	-	No Observable Effect Loading Rate
NOM	-	Official Mexican Norm
NTP	-	National Toxicology Program
NZIoC	-	New Zealand Inventory of Chemicals
OCSPP	-	Office of Chemical Safety and Pollution Prevention
OECD	-	Organization for Economic Co-operation and Development
PBT	-	Persistent, Bioaccumulative and Toxic
PICCS	-	Philippines Inventory of Chemicals and Chemical Substances
REACH	-	Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SADT	-	Self-Accelerating Decomposition Temperature
SDS	-	Safety Data Sheet
STEL	-	Short Term Exposure Limit
TCSI	-	Taiwan Chemical Substance Inventory
TDG	-	Transportation of Dangerous Goods
TSCA	-	Toxic Substances Control Act (United States)
TWA	-	Time Weighted Average
UN	-	United Nations

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UNRTDG	-	United Nations Recommendations on the Transport of Dangerous Goods
UVCB	-	Unknown or Variable Composition, Complex Reaction Products and Biological Materials
vPvB	-	Very Persistent and Very Bioaccumulative
WHMIS	-	Workplace Hazardous Materials Information System
LLx	-	Loading rate associated with x% lethality effect

Disclaimer

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Product Stewardship Advisory:

PETRONAS aims to increase awareness of all the hazards associated with the storage, handling and use of its products. Thoroughly reviewing the accompanying Safety Data Sheets and disseminating the information to all dependent and interested parties is an essential part of any 'Responsible Care' programme.

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