

HDPE-150

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 3/22/2024

Version: 1.6



SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : HDPE-150
Product code : 1FF81A10

1.2. Recommended use and restrictions on use

Recommended use : Manufacture of plastics products, including compounding and conversion
Prohibited for use : Applications involving permanent implantation into the body, European class III medical devices, FDA Class III medical devices, Health Canada class IV Medical Devices

1.3. Supplier

Bulk Molding Compound Inc.
12600 ECKEL ROAD
PERRYSBURG, OH 43551

LyondellBasell Advanced Polymers, Inc.
LyondellBasell Tower, Suite 300
1221 McKinney St.
P.O. Box 2583
Houston, TX 77252-2583

Customer service phone : (888) 777-0232

Regulatory information: product.safety@lyondellbasell.com

1.4. Emergency telephone number

Emergency number : For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 CCN13495
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Combustible Dust

2.2. GHS Label elements, including precautionary statements

Signal word (GHS US) : Warning
Hazard statements (GHS US) : If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Remove casualty to fresh air and keep warm and at rest.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Following contact with the melted product, quickly cool affected skin area with water. Do not attempt to remove congealed product from skin.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. If eye irritation persists, consult a specialist.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: Inhalation of dust may cause respiratory irritation.
Symptoms/effects after skin contact	: The melted product can cause severe burns.
Symptoms/effects after eye contact	: If eye irritation persists: Get medical advice/attention.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water mist. Foam. Carbon dioxide (CO2). dry extinguishing powder.
Unsuitable extinguishing media	: high volume water jet.

5.2. Specific hazards arising from the chemical

Fire hazard	: Thermal decomposition can lead to the escape of irritating gases and vapours.
Explosion hazard	: Danger of dust explosion.

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire	: Avoid generation of dust. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been.
Firefighting instructions	: Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Protection during firefighting	: Use personal protective equipment as required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing.
Emergency procedures	: Ensure personnel is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.

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6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow uncontrolled leakage of product into the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Remove mechanically, placing in appropriate containers for disposal. Avoid generation of dust.
Vacuum with an equipment that avoids ignition risk.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid generation of dust. Provide adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Take precautionary measures against static discharge. Store in a well-ventilated place. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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inhalable dust (ACGIH)	10 mg/m ³
respirable dust (ACGIH)	3 mg/m ³
Total dust (OSHA)	15 mg/m ³
respirable dust (OSHA)	5 mg/m ³

8.2. Appropriate engineering controls

Appropriate engineering controls : If suction of the immediate vicinity is impossible or insufficient, the entire working place must be sufficiently ventilated using appropriate machines.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Chloroprene rubber. PVC gloves. Nitrile rubber gloves
Eye protection:
Wear eye/face protection. DIN EN 166
Skin and body protection:
Normal overalls. Only wear fitting, comfortable and clean protective clothing.

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Respiratory protection:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use appropriate respiratory protection where atmosphere exceeds recommended limits. Where workers could be exposed to dust concentrations above the exposure limit they must use appropriate certified respirators.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: NAT - natural colour
Odour	: odourless
Odour threshold	: No data available
pH	: Not applicable.
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: Not applicable.
Flammability (solid, gas)	: No data available
Vapour pressure	: Not applicable.
Relative vapour density at 20°C	: Not applicable.
Relative density	: No data available
Relative gas density	: Not applicable.
Solubility	: Negligible.
Partition coefficient n-octanol/water (Log Pow)	: Not applicable.
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Not classified as a reactive hazard.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid generation of dust.

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10.5. Incompatible materials

Strong acid. Strong alkalis. Oxidizing agents.

10.6. Hazardous decomposition products

In case of fire: Carbon monoxide. Carbon dioxide.

Other properties

May form combustible dust concentrations in air (during processing).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified pH: Not applicable.
Serious eye damage/irritation	: Not classified pH: Not applicable.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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IARC group	Not listed
National Toxicology Program (NTP) Status	Not listed
In OSHA Specifically Regulated Carcinogen list	Not listed

Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after inhalation	: Inhalation of dust may cause respiratory irritation.
Symptoms/effects after skin contact	: The melted product can cause severe burns.
Symptoms/effects after eye contact	: If eye irritation persists: Get medical advice/attention.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

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Persistence and degradability	Experience so far shows this product to be inert and not degradable.
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12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	Not applicable.
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Bioaccumulative potential	No indication of bio-accumulation potential.
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12.4. Mobility in soil

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Mobility in soil	Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants.
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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation	: Comply with local regulations for disposal.
Product/Packaging disposal recommendations	: Do not empty into drains; dispose of this material and its container in a safe way. Handle contaminated packaging in the same way as the product itself.

SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

14.1. UN number

DOT NA No	: Not regulated
UN-No. (IMDG)	: Not regulated
UN-No. (IATA)	: Not regulated

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not regulated
Proper Shipping Name (IMDG)	: Not regulated
Proper Shipping Name (IATA)	: Not regulated

14.3. Transport hazard class(es)

DOT	
Transport hazard class(es) (DOT)	: Not regulated

IMDG	
Transport hazard class(es) (IMDG)	: Not regulated

IATA	
Transport hazard class(es) (IATA)	: Not regulated

14.4. Packing group

Packing group (DOT)	: Not regulated
Packing group (IMDG)	: Not regulated
Packing group (IATA)	: Not regulated

14.5. Environmental hazards

Not applicable

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14.6. Special precautions for user

Not applicable

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

TSCA 12(b) / SNUR

Not applicable

SARA Section 302/304

Not applicable

SARA Section 311/312 Hazard Classes

Combustible Dust

SARA Section 313

Not applicable

15.2. US State regulations

California Proposition 65

To the best of our knowledge, this material does not contain listed substance(s) known to the State of California to cause cancer, birth defects, or other reproductive harm that would require warning under the statute. However, it is the responsibility of the California business owner to develop his or her own regulatory compliance plan.

New Jersey RTK

Not applicable

Massachusetts RTK

Not applicable

Pennsylvania RTK

Not applicable

Global Inventory Status

The ingredients of this product are compliant with the following chemical inventory requirements or exemptions.

Regional legislation	Regulatory status
Australia - AICS	Listed
Canada - DSL	Listed
China - IECSC	Listed
Europe - REACH	See Compliance Statement*
Japan - ENCS	Listed
Korea - K-REACH	Listed
New Zealand - NZIoC	Listed
Philippines - PICCS	Listed
Taiwan - TCSCA	Listed

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Turkey - KKDIK	Pre-registration period *
United Kingdom - UK REACH	See Compliance Statement*
United States of America - TSCA	Listed

* If the product has been purchased domestically from the notifying/registering legal entity of the LyondellBasell group of companies. We confirm that all substances (in this preparation) have been registered in accordance with the deadlines set forth in the applicable regulation. During the "Pre-registration period", we confirm that all substances in this preparation have been pre-registered or, where required under the regulation, registered, and that we have the intention to proceed with their registration in accordance with the deadlines set forth in the regulation. For more information, please contact reach@lyondellbasell.com.

† For more information on the status of this material, please contact chemical control at global.chem.control@lyondellbasell.com.

SECTION 16: Other information

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Indication of changes:			
Version	Changed item	Change	Comments
1.1	1.3 > Customer service phone number	Modified	
1.2	1.2 > Use of the substance/mixture	Removed	
1.2	1.2 > Recommended use	Added	
1.2	14.6 > Special precautions for user	Modified	
1.3	2.1 > Classification of the substance or mixture	Added	
1.3	2.1 > SDS section 2.1.1 - Additional text	Removed	
1.3	2.2 > Hazard statements (GHS US)	Modified	
1.3	8.1 > inhalable dust (ACGIH)	Added	
1.3	8.1 > respirable dust (ACGIH)	Added	
1.3	8.1 > Total dust (OSHA)	Added	
1.3	8.1 > respirable dust (OSHA)	Added	
1.3	10 > Other properties	Added	
1.3	11.1 > Acute toxicity	Modified	
1.3	11.1 > Carcinogenicity > Carcinogenicity	Modified	
1.3	15.1 > SARA Section 311/312 Hazard Classes	Added	
1.4	11.1 > Carcinogenicity > Carcinogenicity	Modified	
1.4	11.1 > Carcinogenicity > Data	Added	
1.4	15 > Global Inventory Status > Turkey - KKDIK	Modified	
1.4	16 > Abbreviations and acronyms	Modified	
1.5	15 > Global Inventory Status > Contact Chemical Control †	Added	
1.5	16 > Indication of changes	Added	
1.6	1.3 > Company	Modified	

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Abbreviations and acronyms	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SVHC	Substance of very high concern
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
MARPOL 73/78	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978. ("MARPOL" is short for marine pollution and 73/78 short for the years 1973 and 1978.)
IBC	The International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
OSHA	Occupational Safety Health Administration
TWA	Time Weighted Average
STEL	Occupational Exposure Limits - Short Term Exposure Limits (STELs)
ACGIH	American Conference of Government Industrial Hygienists
TLV	Threshold Limit Value
IARC	International Agency for Research on Cancer
ED	Endocrine disrupting properties
AICS	Australian Inventory of Chemical Substances
DSL	Canada Domestic Substance List
IECSC	IECSC - Chinese Chemicals Inventory
ENCS	Japanese Existing and New Chemical Substances Inventory
TCSCA	Taiwan inventory of chemicals
TSCA	US Toxic Substances Control Act
NDSL	Canada Non-Domestic Substance List
PICCS	Philippine Inventory of Chemicals and Chemical Substances
NZIoC	New Zealand Inventory of Chemicals
KKDIK	Registration, Evaluation, Authorization, and Restriction of Chemicals
UK REACH	United Kingdom - Registration, Evaluation, and Authorization of Chemicals
K REACH	Korea - Registration, Evaluation, and Authorization of Chemicals

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