

MASTERBATCH ERN24386 RED

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 as amended and adopted

Revision date: 5/27/2023

Version: 1.20



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : MASTERBATCH ERN24386 RED
Product code : 10DY6A12

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Manufacture of plastics products, including compounding and conversion

1.2.2. Uses advised against

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. Details of the supplier of the safety data sheet

Basell Sales & Marketing Company B.V.
Delftseplein 27E
NL- 3013 AA Rotterdam
Netherlands
T +31 (0) 10 275 55 00
product.safety@lyondellbasell.com

1.4. Emergency telephone number

Not applicable

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Because of the form (plastic granules) in which the material is placed on the market in accordance with Annex 1, section 1.3.4.1 of Regulation 1272/2008, there is no labelling obligation.

2.3. Other hazards

Other hazards which do not result in classification : If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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 REACH Annex II

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, both 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. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. dry extinguishing powder. Foam. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Thermal decomposition can lead to the escape of irritating gases and vapours. Carbon dioxide (CO ₂). Carbon monoxide. Gas/vapours, toxic.
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5.3. Advice for firefighters

No additional information available

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. Avoid generation of dust. Provide adequate ventilation. High slip hazard because of leaking or spilled product.
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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. Handle contaminated packaging in the same way as the product itself.
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6.4. Reference to other sections

No additional information available

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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. When using do not eat, drink or smoke. Wash hands before breaks and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Storage area

: Keep container tightly closed and dry.

Special rules on packaging

: Keep/Store only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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	inhalable dust	10 mg/m ³
DK,FR,GR,NL,NO,PT,SE	respirable dust	5 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. 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.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Wear eye/face protection

8.2.2.2. Skin protection

Skin and body protection:

Only wear fitting, comfortable and clean protective clothing.

Hand protection:

Wear suitable gloves

8.2.2.3. Respiratory protection

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.

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8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: red.
Appearance	: granules.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
SADT	: not applicable
pH	: not applicable
pH solution	: Not available
Viscosity, kinematic	: not applicable
Viscosity, dynamic	: not applicable
Solubility	: Water: insoluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: not applicable
Vapour pressure	: not applicable
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: not applicable
Relative gas density	: not applicable
Particle size	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Minimum ignition energy	: not applicable
Relative evaporation rate (butylacetate=1)	: not applicable

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.

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10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials

Strong acid. Strong alkalis. Oxidizing agents.

10.6. Hazardous decomposition products

In case of fire: Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	not applicable
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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

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
Bioaccumulative potential	No indication of bio-accumulation potential.

12.4. Mobility in soil

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Mobility in soil	Mobility/evaluation:negative.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: 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.
EURAL code	: 07 02 13 - waste plastic

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR)	: Not regulated
UN-No. (IMDG)	: Not regulated
UN-No. (IATA)	: Not regulated
UN-No. (ADN)	: Not regulated
UN-No. (RID)	: Not regulated

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not regulated
Proper Shipping Name (IMDG)	: Not regulated
Proper Shipping Name (IATA)	: Not regulated
Proper Shipping Name (ADN)	: Not regulated
Proper Shipping Name (RID)	: Not regulated

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Packing group (ADR)	: Not regulated
Packing group (IMDG)	: Not regulated
Packing group (IATA)	: Not regulated
Packing group (ADN)	: Not regulated
Packing group (RID)	: Not regulated

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no REACH candidate substance (SVHC-14/06/2023)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

Other international regulations

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
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.chemical.control@lyondellbasell.com.

SECTION 16: Other information

according to Regulation (EC) No. 1907/2006 as amended and adopted

Indication of changes:			
Version	Changed item	Change	Comments
1.1	8.1 > Control parameters > Polyethylene	Added	

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1.2	15.1.1 > EU-Regulations > REACH Candidate	Modified	
1.3	1.3 > Company	Modified	
1.3	8.1.1	Added	
1.3	8.1.2	Added	
1.3	8.1.3	Added	
1.3	8.1.4	Added	
1.3	8.1.5	Added	
1.3	8.2.1	Added	
1.3	8.2.2	Added	
1.3	8.2.3	Added	
1.3	9.1 > SADT	Added	
1.3	9.1 > Relative gas density	Added	
1.3	9.2.1	Added	
1.3	9.2.2	Added	
1.3	12.7	Added	
1.3	16 > Abbreviations and acronyms	Modified	
1.4	9.1 > Explosive properties	Added	
1.4	9.1 > Oxidising properties	Added	
1.4	9.1 > Relative gas density	Added	
1.4	15.1.1 > EU-Regulations > REACH Candidate	Modified	
1.5	1.2.2	Added	
1.5	2.3 > ED text	Added	
1.5	8.1.1 > Control parameters	Added	
1.5	11.1 > Aspiration hazard	Modified	
1.5	14 > Transport information	Modified	
1.6	15.1.1 > EU-Regulations > REACH Candidate	Modified	
1.7	8.1.1 > Control parameters > Calcium Carbonate	Added	
1.7	8.1.1 > Control parameters > Limestone	Removed	
1.8	15.1.1 > EU-Regulations > REACH Candidate	Modified	
1.9	8.2.2 > 8.2.2.3 > Respiratory protection	Modified	
1.9	10.1 > Reactivity	Modified	
1.9	15 > Global Inventory Status	Added	
1.9	16 > Abbreviations and acronyms	Modified	
1.10	1.2.2 > Uses advised against	Modified	
1.10	1.3 > Company	Modified	
1.10	14.4 > Packing group	Modified	
1.10	14.6 > Special precautions for user	Modified	
1.11	14.2 > UN proper shipping name	Modified	
1.12	15.1.1 > EU-Regulations > REACH Candidate	Modified	

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1.13	2.3 > ED text	Modified	
1.14	15 > Global Inventory Status > Turkey - KKDIK	Modified	
1.14	15.1.1 > EU-Regulations > REACH Candidate	Modified	
1.15	4.1 > First-aid measures general	Modified	
1.15	8.1.1 > Control parameters > Calcium Carbonate > France	Modified	
1.16	1.2.1 > Use of the substance/mixture	Modified	
1.16	8.1.1 > Control parameters > Polyethylene > Bulgaria	Added	
1.16	8.1.1 > Control parameters > Calcium Carbonate > Bulgaria	Added	
1.16	8.1.1 > Control parameters > Calcium Carbonate > Croatia	Added	
1.16	8.1.1 > Control parameters > Polyethylene > Czech Republic	Added	
1.16	8.1.1 > Control parameters > Calcium Carbonate > France	Modified	
1.16	8.1.1 > Control parameters > Polyethylene > Latvia	Added	
1.16	8.1.1 > Control parameters > Calcium Carbonate > Latvia	Modified	
1.16	8.1.1 > Control parameters > Polyethylene > Lithuania	Modified	
1.16	8.1.1 > Control parameters > Calcium Carbonate > Poland	Modified	
1.16	8.1.1 > Control parameters > Polyethylene > Slovakia	Added	
1.16	8.1.1 > Control parameters > Polyethylene > Russian Federation	Modified	
1.16	8.1.1 > Control parameters > Calcium Carbonate > Switzerland	Modified	
1.16	14.6 > Special precautions for user	Modified	
1.16	15.1.1 > EU-Regulations > REACH Candidate	Modified	
1.17	15.1.1 > EU-Regulations > REACH Annex XVII	Modified	
1.17	15.1.1 > EU-Regulations > REACH Annex XIV	Modified	
1.18	5.1 > Unsuitable extinguishing media	Added	
1.18	8.1.1 > Control parameters > Calcium Carbonate > Switzerland	Modified	
1.18	15.1.1 > EU-Regulations > REACH Candidate List	Modified	
1.18	16 > SDS Regulation reference	Modified	
1.19	3.2 > Composition/information on ingredients	Removed	
1.20	1.3 > Company	Modified	
1.20	2.3 > Contains PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII	Added	
1.20	8.1.1 > Control parameters > Polyethylene > Czech Republic	Modified	
1.20	8.1.1 > Control parameters > Calcium Carbonate > Poland	Modified	
1.20	8.1.1 > Control parameters > Calcium Carbonate > Switzerland	Modified	
1.20	9.1 > Viscosity, kinematic	Added	
1.20	15 > Global Inventory Status > Turkey - KKDIK	Modified	

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

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Abbreviations and acronyms:

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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