



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Regran R-PET

Revision date: 07.04.2021

Product code: R 3.2.

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

1.1. Product identifier

Regran R-PET transparent white

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

against Use of the substance/mixture

Plastic for injection molding and / or extrusion

Uses advised against

None known. In case of doubt please contact our responsible department.

1.3. Details of the supplier of the safety data sheet

Company name: MF PLAST SERV ®
Street: Str. Principala, nr.84 sat Dimoiu
Place: RO-137455 Ulmi
Telephone: +40 724 025 061
e-mail: office@reciplast.ro

1.4. Emergency telephone

number:

+40 724 025 061 (Monday to Friday from 08:00 to 17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements

Additional advice on labelling

The product is not subject to labelling.

2.3. Other hazards

This mixture does not present any hazard for both humans and environment when handled properly. Dust may develop due to the abasion of the pellets when subjected to mechanical stress, which may cause mechanical irritation. Danger of skin burns by hot melt. Spilled pellets cause increased danger of slipping. This substance does not meet the criteria for classification as PBT or vPvB .

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Polyethylene terephthalate (PET)
possibly colour pigments

Further Information

The components of this product are embedded into an impenetrable matrix and are therefore biologically not available. Several hazardous components are bound within the polymermatrix and are not dangerous if handled under normal processing and handling conditions. The additives in this product do not pose any risk of danger, if they are not released (by emitted smoke when melted, dusts).



SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection!

Remove persons from danger area and lie them down. Never orally infuse something to an unconscious person. No special first aid measures necessary. A vomiting, supine person must be brought into recovery



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position.

After inhalation

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. Seek medical attention if problems persist.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.
After skin contact with melted product: 1. quickly cool with water (not ice), 2. do not pull off melted product from skin, 3. burns caused by the melted product must be treated medically.

After contact with eyes

If foreign bodies have gotten into the eyes, do not rub them. Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

No special measures are necessary. Drink water for reasons of precaution. Seek medical attention if problems persist.

4.2. Most important symptoms and effects, both acute and delayed

Burns caused by molten product. Mechanical eye irritation.

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

Atomized water. Water fog. Dry extinguishing powder. Foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to harmful gases and vapours. (e.g. Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Hydrocyanic acid (hydrocyanic acid).). explosive dust-air mixtures may form. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. The explosion hazards only refer to the dust, not to the product in the form of pellets. Major melted masses may spontaneously ignite in air. Quenching in water is a practical solution.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately. Remove according to the regulations. Brennt nach Entzündung ohne externe Hitzequelle. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

High slip hazard because of leaking or spilled product. Provide adequate ventilation. Avoid dust formation. Do not breathe dust. When danger of exothermic decomposition due to overheating (temperature increase, smoke formation), cool off melt in water.

6.2. Environmental precautions

Preferably prevent the material from infiltrating the canalization or water courses. Do not contaminate surface waters.



6.3. Methods and material for containment and cleaning up

Take up mechanically. Bei der Aufnahme explosionsgeschützte Geräte verwenden . Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Personal protection equipment: see section 8



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Handling and storage: see section 7
For waste disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

While mechanical processing or repelting: Prevent formation of dust and aspirate developing dust. Do not breathe dust. Do not breathe emergent fumes. By the use of qualified ventilation systems the contact with (melting) fumes is to be minimized and the compliance of the air limit values guaranteed.

Advice on protection against fire and explosion

Take precautionary measures against static discharges . Usual measures for fire prevention. Remove all sources of ignition.

Further information on handling

Melt, strong material overheating: Danger of exothermic decomposition.
Provide effective exhaust ventilation while mechanical processing .

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and dry. Protect against contaminations. Take precautionary measures against static discharges.

7.3. Specific end use(s)

Injection moulding, extrusion

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

When suitable ventilation is used, it can be assumed that the limits are significantly undercut.

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust. Do not inhale aeriaily decomposition products.

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection

In the case of the formation of dust. Tightly sealed safety glasses. Dust protection goggles.

Hand protection

Protective gloves made from PVC, fabric or leather (providing insulation against the melted product).
Protect skin by using skin protective cream.

Skin protection

Heat resistant workwear with long sleeves and pants when handling melted product.

Respiratory protection

In case of dust development: particulates filter device (DIN EN 143). Typ P1 oder FFP1 (Half-face mask or



quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo.)

In case of the formation of vapour: gas filtering equipment (EN 141). Typ A (Filter types: A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.))

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid, Granulate	
Colour:	Transparent white	
Odour:	odourless	
pH-Value:		not applicable

Changes in the physical state

Melting point:		ca. 260 °C
Initial boiling point and boiling range:		No data available
Flash point:		No data available

Flammability

Solid:		No data available
Gas:		not applicable

Explosive properties

No data available

Lower explosion limits:		No data available
Upper explosion limits:		No data available

Auto-ignition temperature

Solid:		No data available
Gas:		No data available

Decomposition temperature: > 340 °C

Oxidizing properties

No data available

Vapour pressure:		not applicable
Density (at 20 °C):		1,06 g/cm ³
Bulk density:		940 kg/m ³
Water solubility:		No data available

Solubility in other solvents

No data available

Partition coefficient:		No data available
Viscosity / dynamic:		not applicable
Viscosity / kinematic:		not applicable
Vapour density:		No data available
Evaporation rate:		No data available

9.2. Other information

No data available



SECTION 10: Stability and reactivity	
10.1. Reactivity No dangerous reactivity under regular conditions.	No dangerous reactivity under regular conditions.
10.2. Chemical stability The product is stable under normal environmental conditions (room temperature).	The product is stable under normal environmental conditions (room temperature).
10.3. Possibility of hazardous reactions	No dangerous reaction to be expected if used properly



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No dangerous reactions to be expected if used properly.

10.4. Conditions to avoid

Product is not dust explosive in its original delivery form. The addition of particulate matter, however, results in a dust explosion risk. Avoid greater temperatures exceeding the process limitations over longer periods of time.

10.5. Incompatible materials

Oxidizing agents, strong. acid, concentrated.

10.6. Hazardous decomposition products

When decomposed by heat, e.g. due to overheating during treatment, in case of fire or smoldering, hazardous fumes (especially carbon monoxide, carbon dioxide, nitric oxides, hydrogen cyanide) may develop.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested. Based on the consistency of the product, according to today's knowledge a dispersive spreading into the environment is not to be expected. In sewage plants it may be partitioned off mechanically. The product is insoluble.

12.2. Persistence and degradability

The product is not biodegradable.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

Insoluble in water. The product is slightly mobile in soils.



12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Ingestion by animals may lead to mechanical intestinal blockage or false feeling of satiety causing starvation.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. The listed waste disposal number is considered to be advice according to the list of wastes. The final regulation must be in coordination with the regional disposer. According to local regulations and after consulting the disposer and the responsible authority it may be burnt together with domestic waste.



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Waste disposal number of waste from residues/unused products

070213 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; waste plastic

Waste disposal number of used product

070213 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; waste plastic

Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4. Packing group:** No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4. Packing group:** No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
- 14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4. Packing group:** No dangerous good in sense of this transport regulation.

Other applicable information (marine transport)

Not a hazardous material with respect to these transportation regulations.

Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.
- 14.4. Packing group:** No dangerous good in sense of this transport regulation.

Other applicable information (air transport)

Not a hazardous material with respect to these transportation regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

see section 7

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable



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SECTION 15: Regulatory information

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

EU regulatory information

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation): not applicable

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants: not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

National regulatory information

Water contaminating class (D): - - not water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Version 1,00 - 02.10.2019 - first creation

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

BImSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act

CAS: Chemical Abstracts Service

DIN: Norm of the Deutsche Institut für Normung (German Institute for Standardization)

EC: Effective Concentration

EG: European Community (Europäische Gemeinschaft)

EN: European Norm

IATA: International Air Transport Association

IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk, VOC: Volatile Organic Compounds

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

ISO: Norm of the International Standards Organization

CLP: Classification, Labeling, Packaging

IUCLID: International Uniform Chemical Information Database

LC: Lethal concentration, RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

LD: Lethal dose, vPvB: very persistent and very bio-cumulative

log Kow: Octanol/water partition coefficient

MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships

OECD: Organisation for Economic Co-operation and Development

PBT: Persistent, bio-cumulative, toxic TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations,



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VwVwS: Administrative Regulation for Water Pollutants
WGK: German Water Hazard Class
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
TLV: Threshold Limiting Value
STOT: Specific Target Organ Toxicity

Further Information

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)