

SECTION 1: Identification of the substance and of the company**1.1 Product identifier**

Product (substance) name : RT 53727, RT 53780, RT 5250 P, RT 537500, RT 51200 P
Product type : Ethylene-propylene-(1-butene) terpolymer

1.2 Recommended use of the chemical and restrictions on use

Recommended use : Adhesives, sealants, compounding
Restrictions on use : Do not use for purposes other than those recommended

1.3 Company information

Kemat Belgium
Rue de la sablonniere 7
B-1000 Brussels - Belgium
T +32 2 219 48 11 - F +32 2 219 46 58
sales@kematbelgium.com
www.kematbelgium.com

1.4. Emergency telephone number

National advisory body / Poison Centre : For immediate, life-threatening emergencies, call local emergency number
Supplier emergency number : +32 2 219 48 11

SECTION 2: Hazards identification**General hazard statement**

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling, and packaging of substances and mixtures.

However, a safety data sheet is being supplied for it upon request as it contains a substance for which there is a Union workplace exposure limit.

This product does not meet the criteria for classification in accordance with UN GHS revision 7.

2.1 Classification of the substance or mixture**General hazard statement**

GHS Classification : Not a hazardous substance or mixture

2.2 GHS Label elements, including precautionary statements

Warning Symbol : Not a hazardous substance or mixture
Signal Word : Not a hazardous substance or mixture
Hazard statement : Not a hazardous substance or mixture

Precautionary statement

> Prevention : Not applicable
> Response : Not applicable
> Storage : Not applicable
> Disposal : Not applicable

2.3 Other hazards which do not result in classification**Results of PBT and vPvB assessment**

PBT : Not applicable
vPvB : Not applicable

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SECTION 3: Composition/information on ingredients

Ingredient(s)	Other names/Synonyms	CAS No.	% by weight
Poly((1- methylethylene),(butylene), (methylene))	1-Butene, polymer with ethene and 1-propene; Propylene-1-buteneethylene copolymer	25895-47-0	≥99.0
Modifiers/additives	-	CBI	<1.0

* Cases that are not listed in the names and contents of ingredients do not affect GHS classification according to the notice of the Ministry of Employment and Labor in Rep. of KOREA and are below the concentration limit.

Hazardous components : No components need to be disclosed to the applicable regulations

SECTION 4: First aid measures

4.1 Description of first-aid measures

In case of eye contact : Do not rub eyes.
Check for and remove any contact lenses, but if it is in case of burn, do not remove it.
In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes.
Get medical attention if irritation occurs.

In case of skin contact : Wash with soap and water.
Obtain medical attention if symptoms occur

If inhaled : Obtain medical attention.
Move to fresh air.
If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.

If swallowed : Do not induce vomiting unless directed to do so by medical personnel.
Never give anything by mouth to an unconscious person.
Loosen tight clothing such as a collar, tie, belt or waistband.
Get medical attention if symptoms appear.

4.2 Most important symptoms and effects, both acute and delayed

No specific symptoms or effects been reported

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Not applicable

SECTION 5: Firefighting measures

5.1 Suitable extinguishing media

Small fire : Dry chemical, foaming agent, water fog, or CO₂.
Large fire : Water spray, fog, or foaming agent
Unsuitable : Water jet.

5.2 Specific hazards arising from the chemical

It is able to burn, but does not ignite easily.
In case of fire, irritating and toxic gas is able to be generated.
Inhalation of the substance is able to be harmful.

5.3 Special protective actions for fire-fighters

Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.
The material is able to be transported at high temperatures.
May cause burns to skin and eyes on contact.
Dig a trench to dispose of fire water, contain it, and prevent the material from scattering.
In case of a tank fire, cool the container with plenty of water even after the fire is extinguished.
In case of a tank fire, if there is a high-pitched noise from the pressure release device or if the tank changes colour, leave immediately.
In case of a tank fire, step away from the tank engulfed in flame.

5.4 Further information

Be sure to use an approved/certified respirator or equivalent.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Splash goggles, full suit, boots, and gloves.
- A self-contained breathing apparatus should be used to avoid inhalation of the product.
- Eliminate all ignition sources.
- Stop leak if you can do without any risk.
- Be aware of substances and conditions to avoid.
- Ventilate the contaminated area.
- Do not touch or walk on exposed material.

6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements, and confined spaces.

6.3 Methods and materials for containment and cleaning up

- Use a shovel to put the material into a convenient waste disposal container.
- Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

6.4 Reference to other sections

- Not applicable.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Do not ingest.
- If ingested, seek medical advice immediately and show the container or the label.
- Do not breathe dust.
- Caution; spillages may be slippery.
- Be aware of substances and conditions to avoid.
- Wash thoroughly after handling.
- Work with reference to engineering controls and personal protective equipment.
- Be careful of high temperatures.

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed.
- Keep container in a cool, well-ventilated area.
- Be aware of substances and conditions to avoid.

7.3 Specific end use(s)

- If you require advice on specific uses, please contact your supplier.

SECTION 8: Exposure controls and personal protection

8.1 Control parameters

- Not applicable.

8.2 Exposure controls

- | | |
|----------------------------------|--|
| Appropriate engineering controls | : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Individual protection measures, such as personal protective equipment (PPE) |
| Eye/face protection | : Take safety glasses.
Install emergency washing facilities (shower type) and eye washing facilities in a location that is easily accessible to workers. |

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Skin protection	: Wear protective gloves made of appropriate material considering the physical and chemical properties of materials.
Body protection	: Wear protective clothing and/or take safety glasses made of appropriate material considering the physical and chemical properties of materials.
Respiratory protection	: Dust respirator. Be sure to use an approved/certified respirator or equivalent.
Thermal hazards	: When handling hot material, wear heat-resistant protective gloves that are able to withstand the temperature of molten product.
Control banding approach	: Not applicable.
Environmental exposure controls	: Not applicable.

SECTION 9: Physical and chemical properties

A	Physical state	: Solid (at room temperature)
B	Appearance	: Solid (at room temperature)
C	Colour	: Transparent or milky white
D	Odour	: No data available
E	Odour threshold	: No data available
F	Melting point / freezing point	: 94°C to 170°C [Ring and ball softening temperature]
G	Boiling point	: No data available
H	Flammability	: No data available
I	Flash point	: No data available
J	Explosive properties	: No data available
K	Auto-ignition temperature	: Not available
L	Decomposition temperature	: No data available
M	Oxidizing properties	: No data available
N	pH	: No data available
O	Melt viscosity	: 2,100 to 160,000 mPa*s [measured at 190°C]
P	Solubility	: Insoluble in cold water
Q	Vapour pressure	: No data available
R	Evaporation rate	: Not available
S	Specific gravity	: 0.86 to 0.88 g/cm ³

SECTION 10: Stability and reactivity

10.1 Reactivity and Chemical stability

Not reactive.

The product is chemically stable.

10.2 Possibility of hazardous reactions

It is able to be burned, but does not ignite easily.

In case of fire, irritating and toxic gas is able to be generated.

Inhalation of the substance is able to be harmful.

10.3 Conditions to avoid

Ignition sources such as heat, sparks, flames, etc.

10.4 Incompatible materials

Combustible substances.

Irritating, toxic gas.

10.5 Hazardous decomposition products

Not applicable

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SECTION 11: Toxicological information

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

Acute toxicity

- 1) Oral : No data available.
- 2) Dermal : No data available.
- 3) Inhalation : No data available.

Skin corrosion/irritation : No data available.

Eye damage/irritation : No data available.

Respiratory : No data available.

Skin sensitization : No data available.

Carcinogenicity

- 1) IARC : No data available.
- 2) OSHA : No data available.
- 3) ACGIH : No data available.
- 4) NTP : No data available.
- 5) EU CLP : No data available.

Germ cell mutagenicity : No data available.

Reproductive toxicity : No data available.

Specific target organ toxicity (STOT) - single exposure : No data available.

Specific target organ toxicity (STOT) - repeated exposure : No data available.

Aspiration hazard : No data available.

11.2 Additional information

Information for other risks : This mixture does not contain substances classified as endocrine disruptors pursuant to section 59(1) of REACH, or substances identified as endocrine disruptors according to the criteria specified in Commission Delegation Regulations (EU) 2017/2100 or Commission Regulations (EU) 2018/605.

SECTION 12: Ecological information

12.1 Toxicity

No data available.

No harmful effects if product is handled and used properly.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible.
Untreated material is not suitable for disposal.
Waste, even small quantities, should never be poured down drains, sewers or water courses.
Obtain consent of pollution control authorities before discharging wastewater treatment plants.
Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport Hazard Class

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for use

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1 US SARA reporting requirements

The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, and are listed as follows:

Chemical name	SARA 302 40 CFR 355, Appendix A	SARA 304 40 CFR Table 302.4	SARA 313 40 CFR 372.37.65
Amorphous Poly Alpha Olefin Based Polymer	No	No	No

15.2 US TSCA inventory status

The components of this product are listed on the TSCA Inventory.

15.3 California Proposition 65

No California Proposition 65 listed chemicals are known to be present.

15.4 Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substance

15.5 EU Regulations

Risk phrases : This product is not classified according to the EU regulation.

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SECTION 16: Other information

The contents and format of this SDS are in accordance with REGULATION (EC) No. 1272/2008, (EC) 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EC, and Reg 2020/878.

If the SDS is revised, the section and changes will be described on the table (refer to 16.1 Revision history) and supersedes date will also be changed, to indicate a change has been made.

Explanation of change shall be given upon request.

16.1 Write/revision history

No.	Date	Written by	Item	Content
0-00	2024-10-22	J. G. Kang	Enactment	Enactment a new SDS
0-01	2024-11-01	J. G. Kang	9 physical and chemical properties	Change values of MV, RBSP

16.2 Further information

- EU Regulations
- This product is not classified according to the EU regulations
- Other regulations, limitations, and prohibitive regulations
- This product is not listed on any regulations, limitations, and prohibitive regulations
- SVHC Candidates List of REACH regulation and Annex XIV Authorizations
- None of the ingredients is listed
- REACH Regulation Annex XVII Restriction List
- None of the ingredients is listed
- SVHC Candidates List of REACH regulation and Annex XIV Recommendation List
- None of the ingredients is listed

National inventory status

Substance	National inventory	Status
Poly{(1-methylethylene),(butylene),(methylene)}	Australia – AIIC / Australia Non-Industrial Use	Yes
	Canada – DSL	Yes
	Canada – NDSL	No
	China - IECSC	Yes
	Europe - EINEC / ELINCS / NLP	No
	Japan – ENCS	Yes
	Korea – KECI	Yes
CAS No.	New Zealand – NZIoC	Yes
25895-47-0	Philippines – PICCS	Yes
	USA – TSCA	Yes
	Taiwan – TCSI	Yes
	Mexico – INSQ	Yes
	Vietnam – NCI	Yes
	Russia – FBEPH	Yes
Legend:		Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory

Notice to Reader

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THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity, and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.