

## SECTION 1: Identification of the substance and of the company

### 1.1. Information of the product

Product name	: RT 51200 P
Product type	: Ethylene-propylene-(1-butene) terpolymer
REACH registration No. (EU)	: 01-2119447103-50-0113 01-2119462827-27-0116 01-2119456615-34-0025
UFI	: See '2. HAZARD IDENTIFICATION'

### 1.2. Recommended use of the chemical and restrictions on use

Recommended use	: Plastics Industry, Adhesives, sealants, compounding, etc.
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 their 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

GHS Classification	: Not a hazardous substance or mixture
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### 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

#### 3.1. Composition and information on ingredients

Ingredients	Other names / synonyms	CAS No.	% by weight
Poly{(1-methylethylene), (butylene),(methylene)}	1-Butene, polymer with ethene and 1-propene; Propylene-1-butene-ethylene copolymer	25895-47-0	Proprietary
Poly{(1-methylethylene), (methylene)}	1-Propene polymer with ethene; Ethylene propylene copolymer	9010-79-1	Proprietary
Modifiers/additives	-	CBI	<1.0%
	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 Labour 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 CO<sub>2</sub>  
**Large fire:** Water spray, fog, or foaming agent  
**Unsuitable:** Water jet
- 5.2** Specific hazards arising from the chemical : It is able to be 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. Some 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 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 so 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 advice of on specific uses is required, please contact your supplier

### SECTION 8: Exposure controls/personal protection

- 8.1** Control parameters : Not applicable
- 8.2** 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 : Wear safety glasses.  
Install emergency washing facilities (shower type) and eye washing facilities in a location that is easily accessible to workers
- 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.

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### SECTION 9: Physical and chemical properties

#### 9.1. Basic information of physical-chemical properties

<b>A</b>	Physical state	: Solid
<b>B</b>	Appearance	: Solid
<b>C</b>	Colour	: Not available
<b>D</b>	Odour	: None
<b>E</b>	Odour threshold	: Not available
<b>F</b>	Melting point/freezing point	: 156 – 166
<b>G</b>	Boiling point	: Not available
<b>H</b>	Flammability	: Not available
<b>I</b>	Flash point	: Not available
<b>J</b>	Explosive properties	: Not available
<b>K</b>	Auto-ignition temperature	: Not available
<b>L</b>	Decomposition temperature	: Not available
<b>M</b>	Oxidizing properties	: Not available
<b>N</b>	pH	: Not available
<b>O</b>	Melt viscosity	: 18,000 – 32,000
<b>P</b>	Solubility	: Insoluble in cold water
<b>Q</b>	Vapour pressure	: Not available
<b>R</b>	Evaporation rate	: Not available
<b>S</b>	Specific gravity	: 0.86 – 0.88

#### 9.2. Other information

VOC Contents	: <0.1 wt%
Information on physical risk rating	: Not available
Other safety characteristics	: None

### SECTION 10: Stability and reactivity

<b>10.1</b>	Reactivity and Chemical stability	: Not reactive. The product is chemically stable.
<b>10.2</b>	Possibility of hazardous reactions	: It is able to be 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.
<b>10.3</b>	Conditions to avoid	: Ignition sources such as heat, sparks, flames, etc.
<b>10.4</b>	Incompatible materials	: Combustible substances Irritating, toxic gas
<b>10.5</b>	Hazardous decomposition products	: Not applicable.

### SECTION 11: Toxicological information

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

Acute toxicity	: Oral	Not available
	: Dermal	Not available
	: Inhalation	Not available
Skin corrosion/irritation	: Be careful when contacting skin	
Eye damage/irritation	: Be careful when contacting eyes	
Respiratory	: Repeated or prolonged exposure is not known to aggravate medical condition	
Skin sensitization	: Repeated or prolonged exposure is not known to aggravate medical condition	

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Carcinogenicity	:	IARC	Not available.
		OSHA	Not available.
		ACGIH	Not available.
		NTP	Not available.
		EU CLP	Not available.
Germ cell mutagenicity	:	Not applicable.	
Reproductive toxicity	:	Not applicable.	
Specific target organ toxicity (STOT) - single exposure	:	Not applicable.	
Specific target organ toxicity (STOT) - repeated exposure	:	Not applicable.	
Aspiration hazard	:	Not applicable.	

### 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	:	Not applicable. No harmful effects if product is handled and used properly.
12.2	Persistence and degradability	:	Not applicable.
12.3	Bioaccumulative potential	:	Not applicable.
12.4	Mobility in soil	:	Not applicable.
12.5	Results of PBT and vPvB assessment	:	Not applicable.
12.6	Endocrine disrupting properties	:	Not applicable.
12.7	Other adverse effects	:	Not applicable.

## 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.
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## 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.

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### 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	SARA 304	SARA 313
	<b>40 CFR 355, Appendix A</b>	<b>40 CFR Table 302.4</b>	<b>40 CFR 372.37.65</b>
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/NDSL 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.

Substance	National Inventory	Status
Poly((1-methylethylene),(butylene),(methylene)) Poly((1-methylethylene),(methylene))	Australia - AIIC / Australia Non-Industrial Use	Yes
	Canada - DSL	Yes
	Canada - NDSL	No
	China - IECSC	Yes
	Europe - IENEC / ELINCS / NLP	No
	Japan - ENCS	Yes
	Korea - KECI	Yes
	New Zealand - NZIoC	Yes
	Philippines - PICCS	Yes
	USA - TSCA	Yes
	Taiwan - TSCI	Yes
	Mexico - INSQ	Yes
	Vietnam - NCI	Yes
	Russia - FBEPH	Yes
	<i>Legend</i>	<i>Yes = All CAS declared ingredients are on the inventory</i> <i>No = One or more of the CAS listed ingredients are not on the inventory</i>

### SECTION 16: Other information

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

If 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	Writer / Editor	Item	Changes
0-00	2024-03-14	J. G. KANG (강지규)	All	Writing a new MSDS for the product
1-00	2024-04-05	J. G. KANG (강지규)	All	MSDS reorganization and content changes
1-01	2024-04-16	J. G. KANG (강지규)	1, 3, 8, 11	Reflecting the Ministry of Employment and Labor's GHS writing recommendations
2-00	2024-06-28	J. G. KANG (강지규)	All	Reflection of Article 110 of the Industrial Safety and Health Act and Ministry of Employment and Labor Notice No. 2023-9
2-01	2024-07-09	J. G. KANG (강지규)	2, 3, 9, 14	Change some contents

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- 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
- 16.3** Disclaimer of liability : While the information and recommendations in this publication are to the best of our knowledge, information belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.
- IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.
- 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 behavior of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.