

POLYPROPYLENE HOMOPOLYMER HRV140

Version: 1.01

Revision Date 2020/03/02

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****Trade name** Polypropylene Homopolymer HRV140**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use** Polymer
Industrial use
food industry**Uses advised against****1.3 Details of the supplier of the safety data sheet****Company** Sasol Chemie GmbH & Co. KG
Anckelmannsplatz 1
20537 Hamburg
GermanyTelephone: +49 40 63684-1000
Telefax: +49 40 63684-3700**Information (Product safety):** Telephone: + 49 (0) 23 65 - 49 47 05
Telefax: + 49 (0) 23 65 - 49 92 40**E-mail address** solvents.germany.msds@de.sasol.com**1.4 Emergency telephone number****Emergency telephone number** +44 (0)1235 239 670 (Europe, Israel, Africa, Americas)
+44 (0)1235 239 671 (Middle East, Arabic African countries)
+65 3158 1074 (Asia Pacific)
+86 10 5100 3039 (China)
+27 (0)17 610 4444 (South Africa)
+61 (2)8014 4558 (Australia)**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****2.2 Label elements****2.3 Other hazards**

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture in the meaning of regulation (EC) 1907/2006.

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CHEMICAL CHARACTERIZATION**1-Propene, homopolymer****component type:** Active ingredient**EC-No.:**
REACH No.: Not relevant (polymer)**Index-No.:****CAS-No.:** 9003-07-0**COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES**

No hazardous ingredients

Other data stabilised by the addition of an inhibitor**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

General advice	No hazards which require special first aid measures.
If inhaled	If inhalation of melt processing fumes occurs, remove to fresh air. Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
In case of skin contact	Cool skin rapidly with cold water after contact with molten polymer.
In case of eye contact	Rinse with plenty of water.
If swallowed	Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed	Symptoms: No information available. Risks: Molten polymer can cause severe burns in contact with skin and eyes
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4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed	Treatment: No information available.
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SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media	Water spray, Dry chemical, Carbon dioxide (CO ₂)
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5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	Dangerous gases or fumes may occur in case of fire.
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5.3 Advice for firefighters

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Special protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment.
Special precautions	No conditions to be specially mentioned.

6.2 Environmental precautions

Environmental precautions	No special environmental precautions required.
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6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal. Molten form Allow to solidify, use mechanical handling equipment.
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6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on protection against fire and explosion	Normal measures for preventive fire protection. Keep away from heat and sources of ignition.
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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Keep away from direct sunlight. Keep away from heat. Keep in a well-ventilated place. Store in cool place.
Further information on storage conditions	loading temperature 20 °C
Storage class (TRGS 510)	10-13: German Storage Class 10 to 13
Other data	Stable under normal conditions.

7.3 Specific end use(s)

Specific use(s)	This information is not available.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters**COMPONENTS WITH WORKPLACE CONTROL PARAMETERS****National occupational exposure limits**

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)**Substance name: 1-Propene, homopolymer**

No data available

PREDICTED NO EFFECT CONCENTRATION (PNEC)**Substance name: 1-Propene, homopolymer**

No data available

8.2 Exposure controls**ENGINEERING MEASURES**

In case of dust being formed, provide for adequate extraction.

Use only in an area equipped with explosion proof exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection	No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where dust, fibres and smoke occur, use self-contained breathing apparatus or breathing apparatus with a type P2 or P3 filter, in compliance with EN 143.
Hand protection	Coordinate hand protection with other chemicals used. Preventive hand protection is recommended., Use barrier cream regularly., When handling hot material, use heat resistant gloves.
Eye protection	Safety glasses
Skin and body protection	Wear suitable protective equipment.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Protective measures	No special protective equipment required.

ENVIRONMENTAL EXPOSURE CONTROLS

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General advice No special environmental precautions required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state	solid
Form	solid
Colour	clear to slightly hazy
Odour	hydrocarbon-like
Odour Threshold	No valid method available.
pH	Not applicable, insoluble
Melting point/range	130 - 165 °C
Boiling point/boiling range	Not relevant / Not applicable Thermal decomposition
Flash point	> 350 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	Not relevant / Not applicable, Justification: Solid
Relative vapour density	> 1
Density	0.88 - 0.92 g/cm ³ ; 25 °C
Relative density	0.85 - 0.965
Water solubility	insoluble
Partition coefficient: n-octanol/water	No data available
Ignition temperature	> 390 °C
Auto-ignition temperature	not auto-flammable
Viscosity, dynamic	Not relevant / Not applicable, Justification: Solid
Explosive properties	Constituents do not contain chemical groups associated with explosivity.
Oxidizing properties	not expected based on structure and functional groups

9.2 Other data

None known.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

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Note Stable at normal ambient temperature and pressure.

10.2 Chemical stability

Note No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions Strong oxidizing agents
Hazardous decomposition products formed under fire conditions.

10.4 Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5 Incompatible materials to avoid

Materials to avoid Oxidizing agents;

10.6 Hazardous decomposition products

Hazardous decomposition products Acrolein Formaldehyde-like organic vapors
Carbon monoxide
Carbon dioxide (CO₂)

Thermal decomposition Stable under normal conditions.
160 °C; Thermal decomposition

SECTION 11: TOXICOLOGICAL INFORMATION

1-Propene, homopolymer:

The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity 1-Propene, homopolymer:
No data available

Acute inhalation toxicity 1-Propene, homopolymer:
No data available

Acute dermal toxicity 1-Propene, homopolymer:
No data available

Skin corrosion/irritation

Skin irritation 1-Propene, homopolymer:
No data available

Serious eye damage/eye irritation

Eye irritation 1-Propene, homopolymer:
No data available

Respiratory or skin sensitisation

Sensitisation 1-Propene, homopolymer:
No data available

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Germ cell mutagenicity

Genotoxicity in vitro 1-Propene, homopolymer:
No data available

Genotoxicity in vivo 1-Propene, homopolymer:
No data available

Carcinogenicity

Carcinogenicity 1-Propene, homopolymer:
The product or substance does not contain constituents listed as a carcinogen.

Reproductive toxicity

Reproductive toxicity 1-Propene, homopolymer:
This information is not available.

STOT - single exposure

Remarks 1-Propene, homopolymer:
This information is not available.

STOT - repeated exposure

Remarks 1-Propene, homopolymer:
This information is not available.

Aspiration hazard

Aspiration toxicity 1-Propene, homopolymer:
Not applicable

Toxicological information 1-Propene, homopolymer:
Molten polymer can cause severe burns in contact with skin and eyes

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish 1-Propene, homopolymer:
No data available

Toxicity to fish - Chronic toxicity 1-Propene, homopolymer:
No data available

Toxicity to daphnia and other aquatic invertebrates 1-Propene, homopolymer:
No data available

Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity 1-Propene, homopolymer:
No data available

Toxicity to aquatic plants 1-Propene, homopolymer:
No data available

Toxicity to bacteria 1-Propene, homopolymer:
No data available

Toxicity to soil dwelling organisms 1-Propene, homopolymer:
No data available

Toxicity to terrestrial flora 1-Propene, homopolymer:

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	No data available
Toxicity for other terrestrial non-mammalian fauna	1-Propene, homopolymer: No data available
12.2 Persistence and degradability	
Biodegradability	1-Propene, homopolymer: This material is not expected to be biodegradable.
12.3 Bioaccumulative potential	
Bioaccumulation	1-Propene, homopolymer: No data available
12.4 Mobility in soil	
Mobility	1-Propene, homopolymer: No data available
12.5 Results of PBT and vPvB assessment	
Results of PBT assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Results of PBT assessment	1-Propene, homopolymer: No data available
12.6 Other adverse effects	
General advice	1-Propene, homopolymer: Aquatic toxicity is unlikely due to low solubility.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	Can be incinerated, when in compliance with local regulations.
waste code of the European Union: EWC	A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. The waste code must be determined in agreement with the regional waste disposal authority or company.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.2 Proper shipping name

ADR	Not dangerous goods
RID	Not dangerous goods

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ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.3 Transport hazard class

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.4 Packing group

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.5 Environmental hazards

ADR	Environmentally hazardous	no
RID	Environmentally hazardous	no
ADN	Environmentally hazardous	no
IMDG	Marine pollutant	no
ICAO/IATA	Environmentally hazardous	no

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

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

Remarks No information available.

SECTION 15: REGULATORY INFORMATION

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

NATIONAL/OTHER REGULATIONS

Legislation on the control of major-accident hazards involving dangerous substances	Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. list entry in the directive:: Not applicable
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NOTIFICATION STATUS

Switzerland. Consolidated Inventory (based on EU-EINECS and EU-NLP)	CH INV	listed (product or constituents are listed)
Canadian Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Australia Inventory of Chemical Substances (AICS)	AICS	listed (product or constituents are listed)
Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	listed (product or constituents are listed)
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	listed (product or constituents are listed)
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC	listed (product or constituents are listed)
Taiwan Chemical Substance Inventory (TCSI)	TCSI	listed (product or constituents are listed)
United States TSCA Inventory	TSCA	listed (product or constituents are listed)

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

15.2 Chemical safety assessment**1-Propene, homopolymer**

A Chemical Safety Assessment is not required for this substance (exempted from obligation to register).

SECTION 16: OTHER INFORMATION**Safety datasheet sections which have been updated:**

- 3. Composition/information on ingredients
- 8. Exposure controls/personal protection
- 15. Regulatory information

Further information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

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Key or legend to abbreviations and acronyms used in the safety data sheet

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
ANSI	American National Standards Institute
ASTM	American Society of Testing and Materials (US)
BCF	Bioconcentration factor
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DIN	Deutsches Institut für Normung
DNEL	Derived No-Effect Level
DSL	Domestic Substances List
EC...	Effect concentration ... %
ENCS	Existing Notified Chemical Substances (Japan)
EWC	European Waste Catalogue
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISHL	Industrial Safety and Health Law (Japan)
ISO	International Organization for Standardization
IUAPC	International Union of Pure and Applied Chemistry
KECI	Korea Existing Chemicals Inventory
LC...	Lethal Concentration, ...%
LD...	Lethal Dose, ...%
MARPOL	International Convention for the Prevention of Pollution From Ships
NDSL	Non-Domestic Substances List
NOAEL	no observable adverse effect level
NOEL/NOEC	No Observed-effect level/concentration
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
PBT	persistent, bioaccumulative, toxic
PICCS	Philippine Inventory of Chemicals and Chemical Substances
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport international ferroviaire de marchandises dangereuses
TG	Test Guideline
TRGS	Technische Regeln für Gefahrstoffe
TSCA	Toxic Substances Control Act
vPvB	very persistent, very bioaccumulative
WGK	Wassergefährdungsklasse