



IMPRAMER R 1675

SAFETY DATA SHEET

IN ACCORDANCE WITH EC-REGULATIONS FOR REACH AND CLP.

Version: 1.0
Date: 26/12/2019

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Chemical Name Poly (isoprene-co-isobutene)
IUPAC name 2-methylprop-1-ene, polymer with 2-methylbuta-1.3-diene
Synonyms Isobutylene, polymer with isoprene.
1.3-Butadiene, 2-methyl-, polymer with 2-methyl-1-propene
Trade name Impramer R 1675
CAS No. 9010-85-9
EC No. No number assigned
REACH Registration No. The monomers are registered

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

Identified uses Used in various rubber products
Uses advised against No uses advised against

1.3 Details of the supplier of the Safety Data Sheet

Company Identification Reliance Sibur Elastomers Private Limited
8C Reliance Corporate Park,
Navi Mumbai 400-709.
INDIA
Telephone +91 2884034550
Only Representative Steptoe & Johnson LLP
Avenue Louise 489
B-1050 Brussels
Belgium
+ 32 2 6260500
+ 32 2 6260510
eSDS@steptoe.com

1.4 Emergency telephone numbers

Europe-wide emergency number 112
National emergency telephone number UK. Professionals only. UK National Poisons Information Service
+44 844 892 0111. +44 870 600. 6266. 0845 4647 (national number).
08454 24 24 24. (national number). Contact details for EU Member States can be found at:<https://poisoncentres.echa.europa.eu/>

Supplier Emergency Telephone Numbers

Office/site	Telephone numbers	Opening hours
Jamnagar Manufacturing Division Village kanalus, Taluka Lalpur, Dist. Jamnagar, Gujarat.		24 hours – 7 days/week
Site Shift Manager	+91 2884034550	
Fire Department	+91 2884035101 +91 2884035102 +91 2884022565	

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance

2.1.1 Regulations (EC) CLP Not classified as dangerous for supply/use.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Ingredient	% W/W	EC No.	CAS No	Classification
Poly (isoprene-co-isobutene)	≥ 98.0%	No EC No.	9010-85-9	Not classified

3.2 Mixtures. Not applicable



SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

General information	Non hazardous at ambient temperature. All personnel must be aware of the risks and take all necessary actions to protect themselves when providing assistance.
Inhalation	Non hazardous at ambient temperature. At high temperature, when polymer is processed, vapours formed may be irritating to respiratory system. Keep victim in fresh air relaxed and covered. If victim experiences difficulty in breathing or loses consciousness, give artificial respiration.
Skin Contact	Remove contaminated clothing and wash skin with plenty of running water, under a shower if affected area is large enough to warrant this. Get medical attention.
Eye Contact	Non-hazardous at ambient temperature. At high temperature, when polymer is processed, vapours formed may be irritating to eyes. In case of irritation, wash with plenty of water until irritation disappears. Seek medical assistance if needed
Ingestion	Rubber particles in case of accidental penetration of the airways may cause mechanical irritation of respiratory tract. If large quantities of product are ingested do not induce vomiting. Get medical advice.
4.2 Most important symptoms and effects, both acute and delayed	Non hazardous at ambient temperature.

4.3 Indication of immediate medical attention and special treatment needed

Following skin contact: Remove contaminated clothing and wash skin with plenty of running water.
Following eye contact: Rinse immediately eye with plenty of low pressure water for at least 15 minutes. Remove contact lenses. Get medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	Dry chemical, carbon dioxide, water spray or regular foam. According to the materials involved in the fire. Cool the containers exposed to the fire with water.
Unsuitable Extinguishing Media	None known.

5.2 Special hazards arising from the substance or mixture

Avoid breathing hazardous vapours, keep upwind. Take precautionary measures against static discharges.

5.3 Advice for fire-fighters

Self contained breathing apparatus and suitable protective clothing should be worn while fire fighting in confined space. Move containers from fire area if you can do it without risk. Cool containers exposed to the fire with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Release or spill of material does not constitute a safety hazard. Recover material, put into a container for disposal in accordance with local or national regulations

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses. Dispose in safe manner in accordance with local or national regulations

6.3 Methods and material for containment and cleaning up

Vacuum or sweep up, place in a container for disposal as waste. Avoid generating dusty conditions and provide ventilation. All equipment must be grounded. Reuse if possible or dispose of as required by national and local regulations

6.4 Reference to other sections




Section 8



SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	Do not eat, drink or smoke at the work place. Workers should wash hands and face before eating, drinking or smoking. Avoid inhaling vapours and fumes from hot rubber. Take precautionary measures against static discharges.
7.2	Conditions for safe storage, including any incompatibilities	Store in a cool, dry and well-ventilated place. Do not handle or store near an open flame, heat or other source of ignition. For prolonged storage it is recommended to cover the material with black polythene film to protect it from the direct sunlight.
	Storage Temperature	Stored at ambient temperature, away from direct sunlight and incompatible substances in a closed container.
	Storage Life	Stable over a long period
	Incompatible materials	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
8.1.1	Occupational Exposure Limits	None assigned
8.1.2	Biological limit values	Not known
8.2	DNELs and PNECs	Not known
8.3	Exposure controls	
8.3.1	Appropriate engineering controls	Adequate ventilation must be provided at the work place.
8.3.2	Personal protection equipment	
	Eye/face protection	Not required at normal temperature. Use goggles or spectacles while handling the same at elevated temp. Provide an emergency eye wash fountain and shower in the immediate work area.
		
	Skin protection (Hand protection/ Other)	Wear suitable gloves.
		
	Respiratory protection	No special requirements under normal operating condition. In presence of vapours from melted product at elevated temperature, use suitable respiratory protective mask.
		
	Thermal hazards	Wear suitable heat resistant gloves when working at higher temperatures.
	Hygiene measures	Wash hands after handling, before breaks and after work. Provide an emergency eye wash fountain and shower in the immediate work area
8.3.3	Environmental exposure controls	Do not allow to enter drains, sewers or watercourses. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	
	Appearance	Elastic solid
	Colour	White to yellow
	Odour	peculiar
	Odour threshold (ppm)	Not available
	pH (Value)	Not applicable
	Melting point (°C)	Not available
	Boiling point (°C)	Not applicable
	Flash point (°C)	310 ± 15



Evaporation rate	Not available
Flammability (solid, gas) %	Not available
Explosive limit ranges.	Not available
Vapour pressure (hPa at 20°C)	Not available
Density (g cm ³ at 20°C)	0.90 - 0.92
Solubility (water) (mg/l at 25°C)	Insoluble
Solubility (other)	Insoluble in fats, soluble in aromatic solvent
Partition coefficient (n-octanol/ water)	Not applicable
Auto ignition (°C)	425 ± 15
Decomposition temperature (°C)	Not available
Viscosity (mPa s at 25°C)	Not available
Explosive properties	Not applicable
Percent Volatile by weight (%)	< Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	The rubber is stable provided the storage conditions are followed. High temperatures cause thermal destruction with emissions of isobutylene and isoprene
10.2 Chemical stability	High temperature, heat and direct sunlight, contact with incompatible materials.
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Direct contact with open flames, self igniting / explosive materials and oxidizing agents.
10.5 Incompatible materials	Strong acids and oxidising agents, alkalis, organic solvents. Very dangerous fire hazard when exposed to oxidizers
10.6 Hazardous Decomposition Products	Spirits, aldehydes, ketones, acids (C1-C4), carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Ingestion LD ₅₀	Not hazardous
Inhalation LC ₅₀ 4 hr.	Not hazardous
Dermal LD ₅₀	Not hazardous
Skin corrosion/irritation	Not irritating
Eye damage/irritation	Not irritating
Respiratory or skin sensitization	Not sensitizing
Mutagenicity	No evidence of mutagenicity
Carcinogenicity	No evidence of carcinogenicity
Reproductive toxicity	No evidence of reproductive toxicity
STOT - single exposure	None known
STOT - repeated exposure	None known

SECTION 12: ECOLOGICAL INFORMATION

12.1 Aquatic Toxicity	
Fish (96hr LC ₅₀)	Not hazardous
D. magna. (48hr EC ₅₀)	Not hazardous
Algae (72hr EC ₅₀)	Not hazardous
12.2 Persistence and degradability	Poorly biodegradable
12.3 Bioaccumulative potential (measured)	Not available
12.4 Mobility in soil	Not available
12.5 Results of PBT and vPvB assessment	Does not meet criteria.
12.6 Other adverse effects	WGK- 0 (not classified).



SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Disposal should be in accordance with local, state or national legislation. Incinerate or send to landfill in accordance with applicable environmental regulations. If possible, recover and recycle
13.2 Additional Information	None known

SECTION 14: TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)	Not classified
14.2 Sea transport (IMDG)	Not classified
Marine Pollutant	No
14.3 Air transport (ICAO/IATA)	Not classified
14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not known

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture substance or mixture	
15.1.1 EU regulations	Users to follow relevant EU regulations
Authorisations and/or restrictions on use	Non known
15.1.2 National regulations	Users to follow relevant national regulations
15.2 Chemical Safety Assessment	Chemical Safety Reports have been prepared for the monomers

SECTION 16: OTHER INFORMATION

Indication of changes.

Legend

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT/vPvB	Persistent, bioaccumulative and toxic. Very Persistent, very Bioaccumulative

References Chemical Safety Reports for the monomers
Regulation 1907/2006 (REACH)
Regulations (EC) CLP.

Hazard & Precautionary statements. Not classified

Training advice: Ensure staff and workers receive adequate training with regular updates in the handling of rubber.

Additional Information Not known

This Safety Data Sheet and the health, safety and environmental information it contains are intended to provide a summary of our knowledge and guidance regarding use of the designated Product. Its contents are offered in good faith as accurate and complete as of the date specified below, but without guarantee. The data herein applies only to the Product sold by entities of the Reliance group and not to products sold by others. It relates only to the Product and does not relate to its use in combination with any other product or material or in any process. Local laws and regulations and conditions of use and suitability of the product for particular uses are beyond the control of the company; all risks of use, storage, handling, transportation and disposal of the Product are therefore assumed by the user and the company; expressly disclaims all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the Product. The company shall not be responsible for any damage or injury resulting from abnormal use of the Product, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the product.