

SAFETY DATA SHEET (SDS)

1. IDENTIFICATION

| | | |
|---------------------------------|---|---|
| Product Name | J-320 | |
| Other means of Identification | Polypropylene Copolymer | |
| Recommendation of Use | | |
| Recommended use of the chemical | Feed materials and intermediates | |
| Restrictions on use | Use for recommended use only Do not use it for weapons manufacturing and related purposes. | |
| Manufacturer | PT Lotte Chemical Indonesia | |
| Address | Head Office | Site Office |
| | Mangkuluhur City, Tower One, 32nd Floor, Jl.Jenderal Gatot Subroto, Kav 1-3. Jakarta 12930, Indonesia | Jl. Raya Merak Km.116 Rawa Arum, Pulomerak Cilegon 42436, Indonesia |
| Telephone Number | +62-212-7883200 | |
| Emergency Telephone Number | +62-254-2251190 | |

2. HAZARD IDENTIFICATION

| | | |
|---|---|--|
| Hazard Classification | This product is not a hazardous product according to the Globally Harmonized System for Classification and Labeling (GHS) | |
| GHS Label Element | | |
| Signal Word | NOT APPLICABLE | |
| Hazard Statement | No data available | |
| Precautionary Statements | - Prevention No data available - Response No data available - Storage No data available | |
| Pictogram | | |
| Other hazards which do not result in classification | This product does not affect harmful effects when using and handling it as a regulation | |

3. COMPOSITION / INFORMATION ON INGREDIENTS

| | | |
|--------------------------------|---|---------------|
| Product Chemical Name | Ethylene - propylene Copolymer | |
| Common Name | Ethylene - propylene Copolymer, Ethylene/propylene Copolymer, Ethylene propylene rubber | |
| CAS Number | 9010-79-1 | |
| Chemical Name | CAS Number | Content (wt%) |
| Ethylene - propylene copolymer | 9010-79-1 | >=95 ~ <=100 |

4. FIRST-AID MEASURES

| | | |
|-----------------------------------|------------------------------|--|
| Description of necessary measures | | |
| Eye Contact | Call a physician immediately | |

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|--|--|
| Inhalation | If symptoms persist, call a physician. Move to fresh air |
| Skin Contact | Get medical attention. If irritation develops and persists. Remove contaminated clothing and shoes. |
| Ingestion | If accidentally swallowed obtain immediate medical attention. |
| Most important symptoms / effects, acute and delayed | No data available |
| Note to Physician | In the case of accident or if you feel unwell, seek medical advice immediately. |

5. FIRE-FIGHTING MEASURES

| | |
|---|--|
| Extinguishing Media | |
| Suitable extinguishing media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment |
| Unsuitable extinguishing media | Do not use a solid water stream as it may scatter and spread fire. |
| Specific hazard arising from chemical | 1) Pyrolytic product : No data available 2) Risk of fire and explosion : Heating or fire can release toxic gas. 3) Other : may cause toxic effects, if inhaled. |
| Special Protective Equipment for Fire-fighter | No data available |

6. ACCIDENTAL RELEASE MEASURE

| | |
|---|--|
| Personal precautions, protective equipment | Avoid dust formation. |
| Environmental Precautions | Try to prevent the material from entering drains or water courses. |
| Methods and Materials for Containment and Cleaning up | 1) Keep in suitable, closed containers for disposal. 2) Pick up and arrange disposal without creating dust. |

7. HANDLING AND STORAGE

| | |
|--|--|
| Precautions for Safe Handling | 1) For personal protection see section 8. 2) Smoking, eating and drinking should be prohibited in the application area. |
| Conditions for Safe Storage, including Incompatibilities | 1) Please note that materials and conditions to be avoided. 2) Store in a dry place. Store in a closed container. |

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

| | | | |
|---|---|------------|----------------------------------|
| Occupational exposure limit values or biological limit values | Contains no substances with occupational exposure limit values. | | |
| Ref | Component | CAS Number | Biological exposure Indices(BEI) |
| | | | |
| Appropriate engineering controls | Ensure adequate ventilation and exhaust ventilation at the workplace. | | |
| Individual protection measures, such as personal protective equipment | | | |
| Respiratory Protection | If you have a direct contact or exposed to the material, wear the appropriate form of respiratory protection certified. | | |
| Hand Protection | Wear chemical safety gloves. | | |
| Eye Protection | If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. | | |
| Skin and Body Protection | Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. | | |

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9. PHYSICAL AND CHEMICAL PROPERTIES

| Property Name | Values | Source |
|---------------------------------------|-------------------|---|
| Appearance | | |
| Physical State | Solid | National Library of Medicine/Hazardous Substances Data Bank(NLM/HSDB) |
| Colour | Translucence | National Library of Medicine/Hazardous Substances Data Bank(NLM/HSDB) |
| Odor | Odorless | National Library of Medicine/Hazardous Substances Data Bank(NLM/HSDB) |
| Odor Threshold | No data available | |
| pH | No data available | |
| Melting point | 130 - 170 °C | |
| Boiling point/ boiling range | No data available | The Merck Index 13th Ed. |
| Flammability | No data available | |
| Flash Point | No data available | |
| Evaporation rate | No data available | |
| Lower explosion limit | No data available | |
| Upper explosion limit | No data available | |
| Vapour Pressure | No data available | |
| Vapour density | No data available | |
| Density and/or relative density | No data available | |
| Solubility | No data available | |
| n-octanol/water partition coefficient | 0.89 - 0.91 g/cm3 | |
| Auto Ignition Temperature | Insolubility | |
| Decomposition Temperature | No data available | |
| Viscosity | > 380 °C | |
| | > 300 °C | |
| | No data available | |

10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|--|
| Chemical stability and reactivity | 1) No decomposition if stored and applied as directed. 2) Stable at normal ambient temperature and pressure. |
| Possibility of Hazardous Reaction | No data available |
| Condition to Avoid | Follow precautionary advice and avoid incompatible materials and conditions |
| Incompatible materials | Combustible material |
| Hazardous Decomposition Product | This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulation |

11. TOXICOLOGICAL INFORMATION

Comprehensive description of toxicological/health effects

| | |
|---------------------------|---|
| Acute Toxicology | 1) Acute toxicity (Oral) - LD50 >8000 mg/kg Test species: Rat 2) Acute toxicity(Dermal) - No data available 3) Acute toxicity (Inhalation:Gases) - No data available 4) Acute toxicity (Inhalation:Vapours) - No data available 5) Acute toxicity (Inhalation:Dust/mist) - No data available |
| Skin corrosion/irritation | No data available |

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|---------------------------------|-------------------|
| Serious Eye Damage/Irritation | No data available |
| Respiratory/ Skin sensitization | No data available |
| Germ Cell Mutagenicity | No data available |
| Carcinogenicity | 3 (IARC) |
| Reproductive toxicity | No data available |
| STOT-single exposure | No data available |
| STOT-repeated exposure | No data available |
| Aspiration hazard | No data available |

12. ECOLOGICAL INFORMATION

| | |
|-------------------------------|-------------------|
| Ecotoxicology | No data available |
| Persistence and Degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Environmental Adverse Effect | No data available |

13. DISPOSAL CONSIDERATION

| | |
|-----------------|--|
| Disposal Method | Empty containers should be taken to an approved waste handling site for recycling or disposal. |
|-----------------|--|

14. TRANSPORT INFORMATION

Hazardous according to ADR, IMDG, ICAO/IATA DGR transportation regulations.

| | | | | | | | | | | | | |
|------------------------------|---|--|--|--------------------------|------------------------------|--|--|-----------------------|-------------------------|--|-------------------------|--|
| UN Number | - Not arranged for transportation | | | | | | | | | | | |
| UN Proper Shipping Name | - Not arranged for transportation | | | | | | | | | | | |
| Transport Hazard Class | <table border="1"> <tr> <td></td> <td>Hazard Class or Division</td> </tr> <tr> <td>Transport by road/rail (ADR)</td> <td></td> </tr> <tr> <td></td> <td>Tunnel Restriction: -</td> </tr> <tr> <td>Transport by sea (IMDG)</td> <td></td> </tr> <tr> <td>Transport by air (IATA)</td> <td></td> </tr> </table> | | | Hazard Class or Division | Transport by road/rail (ADR) | | | Tunnel Restriction: - | Transport by sea (IMDG) | | Transport by air (IATA) | |
| | Hazard Class or Division | | | | | | | | | | | |
| Transport by road/rail (ADR) | | | | | | | | | | | | |
| | Tunnel Restriction: - | | | | | | | | | | | |
| Transport by sea (IMDG) | | | | | | | | | | | | |
| Transport by air (IATA) | | | | | | | | | | | | |
| Packing Group | - Not arranged for transportation | | | | | | | | | | | |
| Marine Pollutant | - Not arranged for transportation | | | | | | | | | | | |
| Special Precaution for user | - Not arranged for transportation | | | | | | | | | | | |
| Other Transport Information | - Not arranged for transportation | | | | | | | | | | | |

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question.

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National Legislation

- Peraturan Pemerintah Republik Indonesia, Nomor 74 Tahun 2001 Tentang Pengelolaan Bahan Berbahaya dan Beracun
- Peraturan Menteri Perindustrian Nomor 23/M?IND/PER/4/2013 tentang Perubahan Atas Peraturan Menteri Perindustrian Nomor 87/M?IND/PER/9/2009 Tentang Sistem Harmonisasi Global Klasifikasi dan Label pada Bahan Kimia
- Keputusan Menteri Tenaga Kerja No Kep?187/Men/1999 tentang Pengendalian Bahan Kimia Berbahaya

Global inventory status

| Country/Region | Inventory | Status |
|---------------------|-----------|---|
| Australia | AICS | Ethylene propylene copolymer : Present [CR No.12046] |
| Canada | DSL | 1-Propene,polymer with ethene : present CEPA,1999 [73(1)] |
| China | IECSC | Ethylene propylene copolymer : Present [38118] |
| European Union (EU) | EINECS | |
| United States (US) | TSCA | 1-Propene,polymer with ethene : Present (ACTIVE) |
| Japan | ENCS | Polymer of ethene / prop-1-ene : (6)-10 |
| New Zealand | NZIoC | 1-Propene, polymer with ethene : May be used as a single component chemical under an appropriate group standard |
| Taiwan | TCSI | Ethylene propylene copolymer : Present |
| Vietnam | NCI | Ethylene propylene rubber : Present 12229 |

16. OTHER INFORMATION

Issue Date 24/09/2024

Revision Date - Revised date count : 01
- Last revised date : 01/10/2025

Abbreviations that may have been used in this document

| Abbreviations | Contents |
|---------------|--|
| EINECS | European Inventory of Existing Commercial Chemical Substance |
| HSDB | Hazardous Substances Data Bank |
| IATA | International Air Transport Association |
| ICSC | International Chemical Safety Cards |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| IECSC | Inventory of Existing Chemical Substances in China |
| INCHEM | Internationally Peer Reviewed Chemical Safety Information |
| KOSHA | Korea Occupational Safety and Health Agency |
| NCI | National Chemical Inventory (Vietnam) |
| TSCA | Toxic Substances Control Act |
| NZIoC | New Zealand Inventory of Chemicals |
| TCSI | Taiwan Chemical Substance Inventory |
| DSL | Domestic Substances List in Canada |
| AICS | Australian Inventory Industrial Chemical |

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NCIS, KOSHA, Montreal Protocol, ECHA, OECD SIDS, EU IUCLID, HSDB(PubChem), NITE, NTP, ACGIH, IARC, NIOSH, ChemIDplus, EPA, EPI Suite, INCHEM

This Safety Data Sheet is based on data considered accurate at the time of its preparation. User should consider the data as supplemental to other information and make independent determination of its suitability to assure the proper use and disposal of the product describe in here. LCI is not liable for damage or injury resulting from abnormal use, from failure to follow proper practices or from hazards inherent in the nature of the product.