



SP-120K (Polycarboxylic)

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND ON THE COMPANY/UNDERTAKING

Product Name **SP-120K (Polycarboxylic ether superplasticizer)**
 Company **Kenal Chemical Pvt. Ltd.**
 Address **Khairani-4, Chitwan - Nepal**
 Telephone
 Fax
 E-mail info@kenalchemical.com

2. HAZARDOUS CONSTITUENTS

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200 Health

CLASSIFICATION OF THE PRODUCT

No need for classification according to GHS criteria for this product.

LABEL ELEMENT

The product does not require a hazard warning label in accordance with GHS criteria.

HAZARDS NOT OTHERWISE CLASIFIED

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. COMPOSITION / INFORMATION ON INGREDIENTS

According to Hazardous Products Regulations (HPR) (SOR/2015-17)

| CAS Number | Weight % | Chemical name |
|------------|-----------------|--|
| 64-19-7 | >= 1.0 - < 4.0% | Acetic acid |
| 9014-85- | >= 0.3 - < 2.0% | Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[1,4-dimethyl-1,4-bis(2-methylpropyl)-2-butyne-1,4-diyl]bis[.omega.-hydroxy-triisobutyl pho |
| 126-71-6 | >= 0.1 - < 0.2% | |

4. FIRST-AID MEASURES

Description of first aid measures

General advice: Remove contaminated clothing.

If inhaled: Keep patient calm, remove to fresh air, seek medical attention.

If on skin: Wash thoroughly with soap and water.

If in eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed: Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No applicable information available.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons: water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting: carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Advice for fire-fighters

Protective equipment for fire-fighting: Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.).

Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Conditions for safe storage, including any incompatibilities

No applicable information available.

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep only in the original container in a cool, dry, wellventilated place away from ignition sources, heat or flame. Protect from direct sunlight. Protect from temperatures below: 5 °C

The packed product must be protected from temperatures below the indicated one.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Advice on system design: No applicable information available.

Personal protective equipment

Respiratory protection: Wear respiratory protection if ventilation is inadequate.

Hand protection: Wear chemical resistant protective gloves., Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection: Safety glasses with side-shields.

Body protection: light protective clothing

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**General safety and hygiene measures:**

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks)

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Form: | liquid |
| Odour: | slight odour |
| Odour threshold: | No applicable information available. |
| Colour: | light Brown liquid, odor - Mild |
| pH value: | approx. 4.60 (22 °C) |
| Melting point: | No applicable information available. |
| Boiling point: | No applicable information available. |
| Sublimation point: | No applicable information available. |
| Flash point: | 93.34 °C |
| Flammability: | not determined |
| Lower explosion limit: | No applicable information available. |
| Upper explosion limit: | No applicable information available. |
| Vapour pressure: | No applicable information available. |
| Density: | 1.09 g/cm ³ (20 °C) |
| Relative density: | No applicable information available. |
| Vapour density: | not applicable |
| Partitioning coefficient n-octanol/water (log Pow): | not applicable |
| Thermal decomposition: | No decomposition if stored and handled as prescribed/indicated. |
| Viscosity, dynamic: | No applicable information available. |
| Viscosity, kinematic: | No applicable information available. |
| Solubility in water: | The product has not been tested. |
| Solubility (quantitative): | No applicable information available. |
| Solubility (qualitative): | No applicable information available. |
| Evaporation rate: | No applicable information available. |
| Other Information: | If necessary, information on other physical and chemical parameters is indicated in this section. |

10. STABILITY AND REACTIVITY**Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties: Based on its structural properties the product is not classified as oxidizing.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, strong reducing agents

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Hazardous decomposition products

Decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated. Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Oral No applicable information available.

Inhalation No applicable information available.

Dermal No applicable information available.

Assessment other acute effects No applicable information available.

Irritation / corrosion Assessment of irritating effects: Irritating to eyes and skin. Risk of serious damage to eyes. Causes burns.

Sensitization Assessment of sensitization: May cause sensitization by skin contact.

Aspiration Hazard No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity Assessment of repeated dose toxicity: No reliable data was available concerning repeated dose toxicity. Based on available Data, the classification criteria are not met.

Genetic toxicity Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Carcinogenicity Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Reproductive toxicity Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Teratogenicity Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Other Information Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants. The polymer component of the product is poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential

Discharge into the environment must be avoided.

Mobility in soil

Assessment transport between environmental compartments

No data available.

Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Residues should be disposed of in the same manner as the substance/product. Do not discharge into drains/surface waters/groundwater.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. TRANSPORT INFORMATION

Land transport TDG Not classified as a dangerous good under transport regulations

Sea transport IMDG Not classified as a dangerous good under transport regulations

Air transport IATA/ICAO Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION

Federal Regulations

Registration status:

Chemical DSL, CA released / listed

Product contains a component which must fulfil the criteria as a low concern polymer under the national regulation.

16. OTHER INFORMATION

SDS Prepared by:

KENAL CHEMICAL NA Product Regulations

SDS Prepared on: 2024/02/05

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

END OF DATA SHEET

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