

Isodur RFE

Chemical name: Tris(p-isocyanatophenyl) thiophosphate

CAS Number: 4151-51-3

EINECS Number: 223-981-9

Solvent: Ethylacetate

Material Definition

Appearance: Clear yellowish to brown liquid

NCO content of the solution: 7.0 – 7.4 %

Solids: 26.0 – 28.0 %

Application

Isodur RFE is a highly effective crosslinker for adhesives that are based on polyurethane, natural rubber and synthetic rubber (especially chloroprene rubber). It improves heat stability, hydrolysis resistance, and the resistance to greases, oils, and solvents.

Isodur RFE offers an outstanding adhesion promotion for bonding a wide variety of materials such as PVC, rubber, EVA, and leather. This product is especially recommended where the bonds are exposed to considerable forces and stress or heat immediately after application. For instance, it is used for bonding shoe soles, including light-colored shoe materials.

Usage Information

After adding Isodur RFE to a polyurethane- or rubber-based adhesive, the mixture must be used within its pot life. The pot life depends on the polymer content as well as on other ingredients like antioxidants, resins, plasticizers, solvents, etc. This pot life can vary from several hours to one day.

Handling, Storage, and Packaging

The processing and use of Isodur RFE requires adequate technical and professional knowledge. Please consult safety data sheet and observe local safety regulations. The legal requirements prevailing in your country, especially in the avoidance of accidents, working hygiene and patent rights must be observed.

Isodur RFE has to be stored in its sealed original containers at temperatures from 10 to 25°C. Properly stored it is stable for a minimum of six months. If it is stored or transported at low temperatures, crystalline deposits may form but they will re-dissolve at room temperature.

Available pack sizes for Isodur RFE:

- 180 kg drums
- 50 kg drums
- 0.75kg Aluminium bottles

Regulatory Information

EU REACH registered: Yes

Availability

- Americas (United States, Canada, South America)
- APAC (Asia-Pacific)
- ANZ (Australia, New Zealand)
- EU (European Union)
- PRC (People's Republic of China)
- UK (United Kingdom)

Disclaimer / Conditions

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Stated storage and shelf life times are minimum guaranteed values for a period starting on the day of shipment. After this period has expired, the product requires additional quality control testing but may very well still be within specification. For more information, refer to our [Shelf Life Policy \(/info/shelflife\)](/info/shelflife).

For updates on product information, please check this web page regularly:
<https://kautschuk.com/products/adhesives/isodur-rfe>
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