

# Foreverest Resources Ltd

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## Disproportionated Rosin

D459

Disproportionated rosin (DPR) is a compound of dehydroabietic acid and dihydroabietic acid, produced through the catalytic reaction of [gum rosin](#) at a controlled temperature. In the synthetic rubber industry, DPR is used as an emulsifier in the production of various rubbers, including styrene-butadiene rubber, chloroprene rubber, acrylonitrile-butadiene rubber, and acrylonitrile-butadiene-styrene rubber. When DPR is used as an emulsifier, it enhances the cohesion of rubber products and increases heat resistance by 25%. Additionally, rubber made with DPR has improved resistance to abrasion and tearing compared to ordinary styrene-butadiene rubber. Cohesion is further enhanced when blended with natural rubber. DPR is also an important component in potassium soaps, which are used as emulsifiers to improve the quality of synthetic rubbers. It is a key raw material for producing adhesives, water-based pressure-sensitive adhesives (PSAs), pigments, and even chewing gum.

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## Substance Identification

Synonyms

DPR

|                   |           |
|-------------------|-----------|
| CAS               | N/A       |
| EINECS            | 232-475-7 |
| FEMA              | N/A       |
| HS.CODE           | 380610    |
| Molecular Formula | N/A       |
| Molecular Weight  | N/A       |

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## Application & Uses

- Chewing gum
- Important component of potassium soaps which serve as emulsifiers to improve and strengthen the quality of synthetic rubbers
- Material for soldering fluxes
- Pigment
- Raw material for making adhesives
- Water-based PSA

## Sales Specification

| ITEM   | VALUE                          |
|--------|--------------------------------|
| Colour | Lighten than N Grade Gum Rosin |

| ITEM                       | VALUE     |
|----------------------------|-----------|
| Abietic Acid, %            | 0.5 max   |
| Dehydroabietic Acid, %     | 45.0 min  |
| Softening Point, R&B, °C   | 75.0 min  |
| Acid Value, mg KOH/g       | 150.0 min |
| Unsaponifiable Material, % | 12.0 max  |

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## Package

- Galvanized Iron Drum, 220kg net each, 96 drums (21.7mt) per 20'FCL

## GHS Hazard Statements

No data available

## Storage

- avoid contact with light
- keep separated from incompatible substances
- store and handle in accordance with all current regulations and standards

- store in a cool, dry place
- store in a tightly closed container

## Relation Products

- Acrylic Acid Modified Rosin
- Hydrogenated Rosin
- Polymerized Rosin

## *Remark*

*The above information is believed to be accurate and presents the best explanation currently available to us. We assume no liability resulting from above content. The technical standards are formulated and revised by customers' requirement and us, if there are any changes, the latest specification will be executed and confirmed in the contract.*