ANTI-DUMPING / FINAL FINDINGS

DGTR recommends anti-dumping duty on PX-13 from China, EU, South Korea and Thailand

DGTR recommends a five-year anti-dumping duty of $307 to $930 per MT on PX-13 (6 PPD) from China, the European Union, South Korea and Thailand.

THE DIRECTORATE GENERAL of Trade Remedies has issued final findings, dated June 24, 2026, in the anti-dumping investigation into imports of N-(1,3 dimethylbutyl)-N'-phenyl-p-phenylenediamine, also known as PX-13 or 6 PPD, originating in or exported from China, the European Union, South Korea and Thailand. The investigation was initiated on March 28, 2025 on an application by NOCIL Limited, which accounts for 60-70% of Indian production.

KEY FACTS

MEASURE
Anti-dumping

STAGE
Final findings

COUNTRIES
China, European Union, South Korea, Thailand

DATED
June 24, 2026

REFERENCES

Case No. AD (OI)-10/2025

F. No. 6/10/2025-DGTR

CG-DL-E-01072026-273977

HS CODES 11

3812 39	29215120
29215130	29215190
38121000	38122090
38123100	38123910
38123920	38123930
38123990	

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Case No. AD (OI)-10/2025 · Final findings · June 24, 2026

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The period of investigation is October 1, 2023 to September 30, 2024. Producers from China, South Korea and Thailand took part; there was no response from the European Union. The Authority found dumping margins from 10-20% to 60-70% and injury margins from 10-20% to 30-40% across producers and countries.

Imports from the subject countries reached 9,211 MT in the period of investigation, equal to 31% of Indian demand, and undercut domestic prices by 10-20%. The domestic industry's production, sales, capacity utilization and profitability declined, and its prices were depressed. The Authority found no other cause of injury and an insignificant impact on end consumers.

The Authority recommends anti-dumping duty for five years ranging from $ 307 per MT for Sennics (Thailand) Co., Ltd. to $ 930 per MT for other producers in China, with $ 576 per MT for the European Union and $ 551 to $ 768 per MT for Korea. Named-producer rates require a producer declaration on the commercial invoice. An appeal lies before the Customs Excise and Service Tax Appellate Tribunal.

Measure	Anti-dumping
Stage	Final findings
Case number	Case No. AD (OI)-10/2025
File number	F. No. 6/10/2025-DGTR
Dated	June 24, 2026
Published in the Gazette	June 24, 2026
Put online	July 1, 2026
Gazette ID	CG-DL-E-01072026-273977
Product	N-(1,3 dimethylbutyl)-N'-phenyl-p-phenylenediamine (also known as PX-13)

What it covers	N-(1,3 dimethylbutyl)-N'-phenyl-p-phenylenediamine, also known as PX-13 or 6 PPD, imported under descriptions such as Antioxidant 6PPD, Kumanox 13, Santoflex 6PPD, Sirantox 6PPD, Vulkanox 4020, Antioxidant4020, Dussantox 6PPD and Antage 6C. It is classified under sub-heading 3812 39 and imported under several other codes; the customs classification is only indicative.
Customs codes	3812 39, 29215120, 29215130, 29215190, 38121000, 38122090, 38123100, 38123910, 38123920, 38123930, 38123990
Countries	China, European Union, South Korea, Thailand
Applicant	NOCIL Limited
Period of investigation	1st October 2023 to 30th September 2024
Injury period	1st April 2021 to 31st March 2022, 1st April 2022 to 31st March 2023, 1st April 2023 to 31st March 2024 and the POI
Findings	• NOCIL Limited accounts for 60-70% of Indian production, the other producers being Finorchem Limited and Lanxess India Private Limited, and constitutes the domestic industry with standing. • Producers from China, South Korea and Thailand participated and there was no response from the European Union; China was treated as a non-market economy, and the reported 4-ADPA raw material prices of Sennics (Thailand) Co., Ltd. and Kumho Petrochemical Co., Ltd. were not adopted in their cost of production. • Dumping margins are 40-50% for the Sennics group producers and 60-70% for others in China, 10-20% for Sennics (Thailand) Co., Ltd. and 20-30% for others in Thailand, 20-30% for Kumho Petrochemical Co., Ltd. and 30-40% for others in Korea, and 20-30% for all producers in the European Union. • Injury margins are 10-20% for the Sennics group producers and 30-40% for others in China, 10-20% and 20-30% for Thailand, 10-20% and 20-30% for Korea, and 20-30% for the European Union. • Imports from the subject countries were 9,211 MT in the period of investigation against 7,926 MT in 2023-24, rising to 36% of Indian production and 31% of Indian demand, and price undercutting was in the range of 10-20%. • The domestic industry's production, domestic sales and capacity utilization declined, its selling price fell by 8 index points while cost fell by 5, and its profitability declined significantly after 2022-23; no factor other than dumping was found to have caused injury. • There is no demand-supply gap in India and the impact of duty on end consumers is found to be insignificant.

Recommendation	The Authority recommends anti-dumping duty equal to the lesser of the margin of dumping and the margin of injury on imports of the subject goods originating in or exported from the subject countries, in the amounts in Col. 7 of the duty table.
Duty expressed as	Amount in $ per MT
For how long	five (5) years from the date of the notification to be issued by the Central Government
What happens next	An appeal against the order of the Authority lies before the Customs Excise and Service Tax Appellate Tribunal in accordance with the relevant provisions of the Customs Tariff Act.

The duty table

Country	Producer	Duty
China (country of origin), exported from any country including China	Sennics Co., Ltd. Anhui, Sennics Co., Ltd. Shandong and Sennics Co., Ltd. Taian	$ 511 per MT
China (country of origin), exported from any country including China	Any producer other than mentioned in SN 1	$ 930 per MT
Any country other than China, European Union, Korea, and Thailand (country of origin), exported from China	Any producer	$ 930 per MT
European Union (country of origin), exported from any country including European Union	Any producer	$ 576 per MT
Any country other than China, European Union, Korea, and Thailand (country of origin), exported from European Union	Any producer	$ 576 per MT
Korea (country of origin), exported from any country including Korea	Kumho Petrochemical Co. Ltd.	$ 551 per MT
Korea (country of origin), exported from any country including Korea	Any producer other than mentioned in SN 7	$ 768 per MT
Any country other than China, European Union, Korea, and Thailand (country of origin), exported from Korea	Any producer	$ 768 per MT
Thailand (country of origin), exported from any country including Thailand	Sennics (Thailand) Co., Ltd	$ 307 per MT
Thailand (country of origin), exported from any country including Thailand	Any producer other than mentioned in SN 9	$ 541 per MT

Any country other than China, European Union, Korea, and Thailand (country of origin), exported from Thailand	Any producer	$ 541 per MT

The notification (PDF, 3.0 MB)

Gazette of India, CG-DL-E-01072026-273977, published June 24, 2026.

Checked against the official copy on October 20, 2026.

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