



Press Release

Toxics Link study shows Lead containing paints available in Indian market a risk to children health

June 18, 2020: A new study titled '**How safe is your paint?**' released by the environmental NGO Toxics Link raises concern on the availability of Lead containing paints across India and lack of compliance to the existing regulations in most cases. It is a well-known fact that no safe level of exposure to Lead has so far been identified. When Lead accumulates in the body it can damage almost all organ systems and young children and pregnant women are at highest risk. It is mostly ingested by toddlers by the commonplace practice of licking doors and windows or eating dried paints.

Lead (Pb) is a cumulative toxicant that poses serious risks to the environment besides human health and lead exposure has been identified by The World Health Organization as one of the top ten environmental health threats globally.

“Lead in paints is one of the common sources of Lead poisoning amongst children. Children are the most susceptible to lead poisoning as lead can cause irreversible damage to the nervous system. So global efforts have been mooted by WHO and UNEP to phase out lead from products including paints” said Piyush Mohapatra, Senior Program Coordinator at Toxics Link. In alignment with the global plan of action to eliminate Lead from paints, the Government of India notified the Regulation on Lead Contents in Household and Decorative Paint Rules in 2016 which came into effect from 1st November, 2017.

However, the present study by Toxics Link found high lead content in most of the analysed samples. For this study 32 paint samples were purchased across the country viz. Chhattisgarh, Delhi, Goa, Jharkhand, Karnataka, Madhya Pradesh, Rajasthan, Tamil Nadu and Uttar Pradesh and were analysed in an NABL accredited laboratory (SPECTRO analytical lab. Ltd., Okhla, New Delhi). The study found lead content ranging from **10 ppm to 186062 ppm** in the tested samples. The results of the study reveal that 90% of the analysed paint samples had lead levels above 90ppm. Only 9% (three paint samples) had lead levels below 90 ppm. Incidentally all these paints are manufactured at the locally and few samples are bought through online portal.

The study reflects upon the poor implementation of the rules for Lead in paints in the country. Notably, paints containing high levels of lead (which have been manufactured after the notification of the Lead in paint regulations) are still widely available across the country which is in clear violation of the rules. Further as per the findings most of the paint samples viz. 84% of the manufacturers did not have any label as being prescribed in the regulation. This is a clear violation of the rules and indicates lack of monitoring system in place to check the availability of these unlabelled products in the market.



“In Rajasthan, the study tested ten samples for the presence of lead and incidentally all the samples had levels above 90 ppm with the highest level of Lead being 63800 ppm”, said Tripti Arora, IPEN Coordinator at Toxics Link. She further raised the issue of labelling which is mandated by the law and informed that eight of these ten samples were not labelled for their lead content.

"Over the years, Toxics Link's studies have found that there are still bottlenecks in small and medium scale enterprises (SMEs) in adhering to the regulation of 90 PPM. However, the government of India needs to take concerted efforts to reach out to these manufacturers. Further a strict monitoring regime needs to be put in place by the concerned authorities to completely eradicate Lead from household paints, said Satish Sinha, Associate Director, Toxics Link.

Key findings

- **90% of the analyzed paint samples had lead levels above 90 ppm.**
- **Lead content was observed between 10ppm to 186062ppm in the analysed samples.**
- **The lowest lead content (10 ppm) was observed in a Golden Yellow coloured sample collected from Bangalore, Karnataka.**
- **Highest lead concentration of 186062 ppm was in a golden yellow coloured paint collected from Tamil Nadu.**
- **The Lead content was found to be 4306 PPM in the sample collected from Amazon.**

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