

## **Supplementary Materials**

# **Distribution Characteristics of Microplastics in Surface Seawater off the Yangtze River Estuary Section and Analysis of Ecological Risk Assessment**

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**Supplementary Material Table S1. Risk rank of polymers based on monomer toxicity**

polymer	hazard index	Polymer monomers (wt.%)
polyether based flexible foam	13,844 (V)	Propylene oxide (58 wt.%)
Polyacrylonitrile (PAN)	11,521 (V)	Acrylonitrile (100 wt.%)
Polyvinyl chloride (PVC)	10,551 (V)	Vinyl chloride (50 wt.%)
Styrene acrylonitrile (SAN)	2788 (V)	Styrene (76 wt.%)
High-impact polystyrene (HIPS)	1628 (V)	Styrene (92 wt.%)
Polyacrylic acid (PAA)	230 (III)	Acrylic acid (100 wt.%)
Polystyrene (PS )	30 (II)	Styrene (100 wt.%)