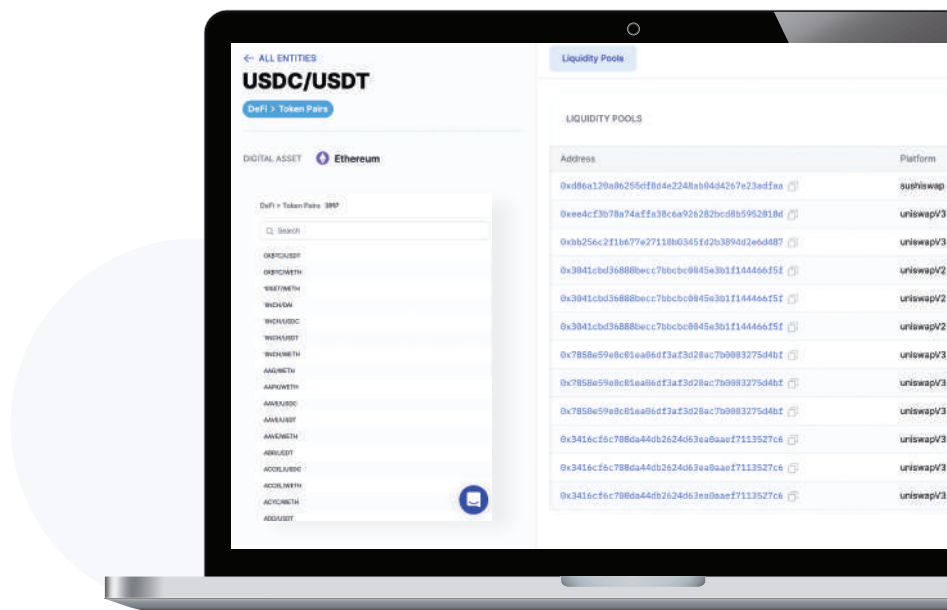# MERKLE SCIENCE

DeFi Risk Mitigation & Compliance

AML screening and actionable risk exposure analysis for DeFi platforms, asset managers, financial institutions, insurers and Web3 businesses

De-risking DeFi

Decentralized finance (DeFi), the new financial frontier, has seen a meteoric rise in recent years - the total value locked (TVL) is now in excess of $60 billion, an increase of circa 6000% since 2020.

This exponential increase in value transfer has attracted the attention of bad actors and regulators alike. Of the over $2 billion stolen in Web3 hacks in 2022, over 97% was taken from DeFi protocols. Simultaneously, regulators are taking an enforcement-first approach, as demonstrated by the increased cost and cadence of fines.

Merkle Science has extended the capabilities of our predictive Web3 risk and intelligence platform to support clients operating in the DeFi sector. Our technology de-risks liquidity pools, monitors smart contract calls, and empowers businesses to unlock the value of DeFi whilst complying with AML and CTF regulations.

The Merkle Science Platform Serves

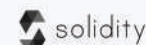
DeFi Platforms

Asset Managers & FIs

Crypto Businesses

DeFi Insurers

Best-In-Class Coverage

Our platform can support 1000s of ERC-20 tokens, providing users with the ability to monitor funds across some of the most popular DeFi protocols and platforms.

Risk Scoring for Smart Contracts

Our platform generates real-time risk scores through continuous monitoring of smart contract addresses. This will enable users to monitor the exposure of their smart contract addresses to addresses associated with illicit activities or entities including:

- Sanctioned entities
- Ransomware
- Darknet marketplaces
- High-risk jurisdictions with AML/CFT/CP deficiencies
- Money laundering activities
- Coin mixing services

Liquidity Pool Analysis

Merkle Science has extended the capabilities of our unique Behavioral Rule Engine to include screening and identification risk exposure in DeFi liquidity pools. Our customers can confidently evaluate exposure, mitigate risk and comply with regulations by utilizing pool risk scores, detecting illicit activities before they happen, following illicit funds, and assisting in reporting Web3 crimes.

High-risk transaction analysis of Uniswap's USDC/WETH Pool

About Merkle Science

Merkle Science is the next generation Web3 risk mitigation, compliance and forensics platform. We work with crypto and DeFi businesses, blockchain bridges, NFT players, retailers, financial institutions, insurers and government agencies around the globe.
Our focus on multi-chain and liquidity pool analysis, real-time transaction monitoring and predictive and machine learning-driven analytics provides our clients with best-in-class solutions, and enables Web3's safe and healthy growth.

To explore a new level of Web3 security, transparency & compliance talk to the Merkle Scientists

✉ contact@merklescience.com