

# Preventing Unplanned Production Stoppages Due to Safety Hazards and Accidents

Alex Lowery<sup>1</sup>, Debashis Basu<sup>2</sup> and Jaydip Dutta<sup>3</sup>

1. General Manager

Wise Chem, New Albany, Ohio, United States of America

2. Director of Sales

3. Head Aluminium Business

Pyrotek Kolkata, India

Corresponding author: alex.lowery@wisechem.net

<https://doi.org/10.71659/icsoba2026-xxYYY>

## Abstract

A significant gap in terms of safety exists between organized and unorganized sectors in the Indian aluminium industry. There is a gap in literature as to why this difference persists. This paper will review each of the sectors identifying similarities and differences. Specific hazards that result in explosions and fires in aluminium plants will be identified including molten metal safety will be discussed. In India there is a gap in safety between the organized and unorganized sectors that must be bridged. Failing to bridge this gap will result in aluminium companies continuing to suffer fires and explosions resulting in a loss of production and needlessly injuring and killing workers.

**Keywords:** Safety in Indian aluminium industry, Organized sectors, Unorganized sectors, Molten metal safety.