Hand Safety Campaign: Ingredion Experience
Ingredion Incorporated

One of the world’s leading ingredient solutions companies

• Focused on providing critical ingredients to the food, beverage, industrial, pharmaceutical and personal care industries

• A global network of manufacturing facilities, Ingredion Idea Labs™ innovation centers and sales offices

• Over 11,000 talented and experienced employees

• $5.7 billion net sales in 2014

• FORTUNE 500 company

• Headquartered in Westchester, Illinois
A rich legacy of innovation and growth

Corn Products Refining Company incorporates in New Jersey

Acquires Canada Starch Company (Casco)

First Latin America operation opens in Argentina

Expands into Brazil and Mexico

Enters Asia, expands in Latin America; merges with Bestfoods

Expands into Asia and South Africa

Becomes CPC International, a global consumer products company

Spin-off from CPC to become Corn Products International, Inc.

Acquires GTC Nutrition, expanding health and wellness offerings

Acquires polyols business of SPI in US and Brazil, expanding sweetener solutions

Acquires National Starch, enhancing product portfolio and global footprint

Begins trading on New York Stock Exchange

Becomes Ingredion, a leading global ingredient solutions provider
Sweeteners, starches and nutritional ingredients
for 60 industry sectors

51% food

13% beverages

13% animal nutrition

7% brewing

9% paper & corrugating

7% additional applications

Based on 2014 net sales
Our presence in both developed and emerging global markets

- **North America**: 55% of 2014 net sales
- **South America**: 21% of 2014 net sales
- **Europe, Middle East, and Africa**: 10% of 2014 net sales
- **Asia-Pacific**: 14% of 2014 net sales
Our Core Values guide us in all that we do

**Safety:** We are committed to creating and maintaining a safe working environment and strive to achieve an accident-free workplace.

**Quality:** We set exacting standards and strive for consistency and precision in everything we do. We are committed to continuously improving our capabilities.

**Integrity:** We take individual and collective responsibility for keeping our promises, acting ethically and demonstrating exemplary business conduct at all times because it is the right thing to do.

**Respect:** We succeed by creating trusted and enduring relationships with our customer, colleagues and communities to achieve our mutual goals.

**Excellence:** We passionately strive to exceed the expectations of our customers, colleagues and shareholders and win in the marketplace.

**Innovation:** We are resolute in pursuing innovation that creates value for our customers and shareholders.
Global Safe Hands Campaign
Launch of Hand Safety Campaign

- Ingredion decided to reinvent its safety program with the joining of two companies and began to set up the corporate and regional teams.

- Determined that our #1 injury cause was hand injuries, we launched a **global six step hand safety programme**.

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<td>Site has agreed to implement hand safety program</td>
<td>Hand survey is complete and activities / gloves identified</td>
<td>Alternate methods of working / gloves being or have been trialed</td>
<td>Feedback from glove users / final selection of gloves made</td>
<td>Training complete and gloves issued</td>
<td>Hand safety program has been running for 3 months</td>
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Confidential
Background

- Progress in hand injuries after launching global six step hand safety programme:

  Averaged 6.5 hand injuries per quarter prior to initiative

  Now averaging 2.9 injuries per quarter
Vision 2020

Total Recordable Injury Rate ≤ 0.20 by 2020
(≤ 20 injuries)

• Safety 2020 Campaign
  – Branding, artwork and collateral materials developed and distributed to drive awareness of corporate-wide Safety Goal
  – Even though we are performing well beyond world class, we believe we can reduce injuries further
Effectiveness of Program

- The North America safe hands campaign highlighted the following:
  - There were 10 hand injuries during Jan-Sept 2014, out of which 8 hand injuries happened in a 3-month period.
  - After launch of safe hands campaign in September 2014, the next hand injury in North America Region occurred in June, 2015 (259 days)

- Decision to take program to APAC, EMEA, SA
Corporate Communications Video

• Intensive communication campaign on hand safety by Vice President, Safety and Health communicated to all employees at all sites
• Broadcasted worldwide at reception areas and during employee meetings
Site Best Practices

• Full blown *risk assessments* completed for all hand related activities

• Hand safety requirement as a component of *Permit to Work*

• Mandatory *level 1 cut resistant gloves* for all visitors, employees and contractors entering manufacturing premises

• *Laboratory glassware*
  – Replacement of most laboratory glassware with metal substitutes
  – Adopt the use of a dishwasher for washing instead of manual washing

• Employment of *automatic high pressure jet root washer* to replace manual root washing practices
Site Best Practices

• **Line Safety** to prevent workers from getting too close to the packing line. Should there be emergency, workers simply pull the red line and the entire process comes to a halt.

• **Machine Guarding**
Safe Hands Campaign - Kick off

- Campaign launched by Plant Manager during periodic safety talk
- Stickers with campaign logo were placed on all Ingredion personnel and contractors safety helmets
Safe Hands Campaign - Individual Commitment

• Employees and contractors print their hands on boards as a commitment to take care of their hands
Safe Hands Campaign - Testimonials

- Workers who have suffered hands injuries, relate their experiences on how their injuries have affected their personal, familial relationships and work activities.
Safe Hands Campaign - ‘A World Without Hands’

- Simple games played during EHS Day to experience ‘A World Without Hands’
- Participants expressed their frustrations on completing activities without their hands
Safe Hands Campaign - Time Tunnel

- All hands incidents and accidents analysis reports from the past recent years are displayed inside a room, so everyone could refresh on their root causes.
Safe Hands Campaign - Gloves Selection and Usage

- Talk given by a specialist on how to correctly select safety gloves
- Including the importance of correct usage and maintenance of the gloves to assure the proper protection of hands
Safe Hands Campaign - Movie Day on Hand Protection

- Movie projection on “Hands Protection” sets to increase staff awareness on hand injuries and the importance of using Personal Protective Equipment (PPE)
Safe Hands Campaign - Hand Risks at the Workplace

- Potential Problem Analysis: The management team and supervisors walked around the plant looking for equipment and processes where hands and fingers can be injured and placed warning stickers on those locations.
Key Takeaways

- Awareness
- Senior Management Involvement
- Empowerment and feedback from employees
- Mindset and behavioral change
- Measurement
- Investment on hardware is minimal