

# **Mahumbane Consulting (Pty) Ltd**

## **Industrial Personal Protective Equipment (PPE) Technical Data Sheets & Safety Information Library**

This document provides technical information and safety guidance for Personal Protective Equipment (PPE) supplied by Mahumbane Consulting. The PPE described in this handbook is intended for use in industrial environments including water treatment plants, mining operations, power generation facilities, manufacturing plants and chemical handling environments. The documentation includes product descriptions, recommended applications, safety guidance and PPE compatibility for workers exposed to mechanical hazards, chemical hazards and environmental risks.

## Technical Data Sheet – Industrial Safety Helmet

Product Category: Head Protection Description: Industrial Safety Helmet is designed to provide reliable protection in industrial and chemical handling environments. It helps protect workers from hazards commonly encountered in water treatment plants, mining operations, manufacturing facilities and other industrial workplaces. Typical Application: Impact protection for construction, mining and industrial environments

Specification	Details
Product Type	Head Protection
Primary Application	Impact protection for construction, mining and industrial environments
Typical Materials	HDPE, polycarbonate, nitrile rubber, leather or PVC depending on product
Compliance Standards	Commonly compliant with EN, ANSI or ISO industrial safety standards
Recommended Use	Industrial safety and chemical handling environments

Handling and Maintenance: • Inspect PPE before each use. • Replace damaged equipment immediately. • Clean equipment after exposure to chemicals or contaminants. • Store PPE in clean, dry conditions away from direct sunlight.

## Technical Data Sheet – Chemical Splash Goggles

Product Category: Eye Protection Description: Chemical Splash Goggles is designed to provide reliable protection in industrial and chemical handling environments. It helps protect workers from hazards commonly encountered in water treatment plants, mining operations, manufacturing facilities and other industrial workplaces. Typical Application: Protection against chemical splashes and airborne particles

Specification	Details
Product Type	Eye Protection
Primary Application	Protection against chemical splashes and airborne particles
Typical Materials	HDPE, polycarbonate, nitrile rubber, leather or PVC depending on product
Compliance Standards	Commonly compliant with EN, ANSI or ISO industrial safety standards
Recommended Use	Industrial safety and chemical handling environments

Handling and Maintenance: • Inspect PPE before each use. • Replace damaged equipment immediately. • Clean equipment after exposure to chemicals or contaminants. • Store PPE in clean, dry conditions away from direct sunlight.

## Technical Data Sheet – Full Face Shield

Product Category: Face Protection Description: Full Face Shield is designed to provide reliable protection in industrial and chemical handling environments. It helps protect workers from hazards commonly encountered in water treatment plants, mining operations, manufacturing facilities and other industrial workplaces. Typical Application: Protection from chemical splashes and mechanical hazards

Specification	Details
Product Type	Face Protection
Primary Application	Protection from chemical splashes and mechanical hazards
Typical Materials	HDPE, polycarbonate, nitrile rubber, leather or PVC depending on product
Compliance Standards	Commonly compliant with EN, ANSI or ISO industrial safety standards
Recommended Use	Industrial safety and chemical handling environments

Handling and Maintenance: • Inspect PPE before each use. • Replace damaged equipment immediately. • Clean equipment after exposure to chemicals or contaminants. • Store PPE in clean, dry conditions away from direct sunlight.

## Technical Data Sheet – Respirator Mask

Product Category: Respiratory Protection Description: Respirator Mask is designed to provide reliable protection in industrial and chemical handling environments. It helps protect workers from hazards commonly encountered in water treatment plants, mining operations, manufacturing facilities and other industrial workplaces. Typical Application: Protection from dust, fumes, vapors and airborne contaminants

Specification	Details
Product Type	Respiratory Protection
Primary Application	Protection from dust, fumes, vapors and airborne contaminants
Typical Materials	HDPE, polycarbonate, nitrile rubber, leather or PVC depending on product
Compliance Standards	Commonly compliant with EN, ANSI or ISO industrial safety standards
Recommended Use	Industrial safety and chemical handling environments

Handling and Maintenance: • Inspect PPE before each use. • Replace damaged equipment immediately. • Clean equipment after exposure to chemicals or contaminants. • Store PPE in clean, dry conditions away from direct sunlight.

## Technical Data Sheet – Chemical Resistant Gloves

Product Category: Hand Protection Description: Chemical Resistant Gloves is designed to provide reliable protection in industrial and chemical handling environments. It helps protect workers from hazards commonly encountered in water treatment plants, mining operations, manufacturing facilities and other industrial workplaces. Typical Application: Protection from corrosive chemicals and industrial liquids

Specification	Details
Product Type	Hand Protection
Primary Application	Protection from corrosive chemicals and industrial liquids
Typical Materials	HDPE, polycarbonate, nitrile rubber, leather or PVC depending on product
Compliance Standards	Commonly compliant with EN, ANSI or ISO industrial safety standards
Recommended Use	Industrial safety and chemical handling environments

Handling and Maintenance: • Inspect PPE before each use. • Replace damaged equipment immediately. • Clean equipment after exposure to chemicals or contaminants. • Store PPE in clean, dry conditions away from direct sunlight.

## Technical Data Sheet – Industrial Work Gloves

Product Category: Hand Protection Description: Industrial Work Gloves is designed to provide reliable protection in industrial and chemical handling environments. It helps protect workers from hazards commonly encountered in water treatment plants, mining operations, manufacturing facilities and other industrial workplaces. Typical Application: Protection from abrasions, cuts and mechanical hazards

Specification	Details
Product Type	Hand Protection
Primary Application	Protection from abrasions, cuts and mechanical hazards
Typical Materials	HDPE, polycarbonate, nitrile rubber, leather or PVC depending on product
Compliance Standards	Commonly compliant with EN, ANSI or ISO industrial safety standards
Recommended Use	Industrial safety and chemical handling environments

Handling and Maintenance: • Inspect PPE before each use. • Replace damaged equipment immediately. • Clean equipment after exposure to chemicals or contaminants. • Store PPE in clean, dry conditions away from direct sunlight.

## Technical Data Sheet – Chemical Resistant Apron

Product Category: Body Protection Description: Chemical Resistant Apron is designed to provide reliable protection in industrial and chemical handling environments. It helps protect workers from hazards commonly encountered in water treatment plants, mining operations, manufacturing facilities and other industrial workplaces. Typical Application: Protection against chemical spills and splashes

Specification	Details
Product Type	Body Protection
Primary Application	Protection against chemical spills and splashes
Typical Materials	HDPE, polycarbonate, nitrile rubber, leather or PVC depending on product
Compliance Standards	Commonly compliant with EN, ANSI or ISO industrial safety standards
Recommended Use	Industrial safety and chemical handling environments

Handling and Maintenance: • Inspect PPE before each use. • Replace damaged equipment immediately. • Clean equipment after exposure to chemicals or contaminants. • Store PPE in clean, dry conditions away from direct sunlight.

## Technical Data Sheet – Protective Coveralls

Product Category: Body Protection Description: Protective Coveralls is designed to provide reliable protection in industrial and chemical handling environments. It helps protect workers from hazards commonly encountered in water treatment plants, mining operations, manufacturing facilities and other industrial workplaces. Typical Application: Full body protection in chemical or contaminated environments

Specification	Details
Product Type	Body Protection
Primary Application	Full body protection in chemical or contaminated environments
Typical Materials	HDPE, polycarbonate, nitrile rubber, leather or PVC depending on product
Compliance Standards	Commonly compliant with EN, ANSI or ISO industrial safety standards
Recommended Use	Industrial safety and chemical handling environments

Handling and Maintenance: • Inspect PPE before each use. • Replace damaged equipment immediately. • Clean equipment after exposure to chemicals or contaminants. • Store PPE in clean, dry conditions away from direct sunlight.

## Technical Data Sheet – Steel Toe Safety Boots

Product Category: Foot Protection Description: Steel Toe Safety Boots is designed to provide reliable protection in industrial and chemical handling environments. It helps protect workers from hazards commonly encountered in water treatment plants, mining operations, manufacturing facilities and other industrial workplaces. Typical Application: Protection against heavy objects and industrial hazards

Specification	Details
Product Type	Foot Protection
Primary Application	Protection against heavy objects and industrial hazards
Typical Materials	HDPE, polycarbonate, nitrile rubber, leather or PVC depending on product
Compliance Standards	Commonly compliant with EN, ANSI or ISO industrial safety standards
Recommended Use	Industrial safety and chemical handling environments

Handling and Maintenance: • Inspect PPE before each use. • Replace damaged equipment immediately. • Clean equipment after exposure to chemicals or contaminants. • Store PPE in clean, dry conditions away from direct sunlight.

## Technical Data Sheet – Rubber Chemical Boots

Product Category: Foot Protection Description: Rubber Chemical Boots is designed to provide reliable protection in industrial and chemical handling environments. It helps protect workers from hazards commonly encountered in water treatment plants, mining operations, manufacturing facilities and other industrial workplaces. Typical Application: Protection against chemical spills and corrosive liquids

Specification	Details
Product Type	Foot Protection
Primary Application	Protection against chemical spills and corrosive liquids
Typical Materials	HDPE, polycarbonate, nitrile rubber, leather or PVC depending on product
Compliance Standards	Commonly compliant with EN, ANSI or ISO industrial safety standards
Recommended Use	Industrial safety and chemical handling environments

Handling and Maintenance: • Inspect PPE before each use. • Replace damaged equipment immediately. • Clean equipment after exposure to chemicals or contaminants. • Store PPE in clean, dry conditions away from direct sunlight.

## **PPE Safety Guidance (SDS-Style Information)**

- 1. Identification – Product type and supplier information.
- 2. Hazard Identification – Hazards PPE protects against such as chemical exposure, mechanical impact or airborne contaminants.
- 3. Composition – Materials used in PPE construction such as nitrile rubber, polycarbonate, HDPE or steel.
- 4. First Aid Measures – Procedures if injury occurs due to PPE failure or hazard exposure.
- 5. Fire Fighting Measures – PPE material considerations when exposed to fire.
- 6. Accidental Release Measures – Disposal procedures for contaminated PPE.
- 7. Handling and Storage – Storage procedures to maintain PPE integrity.
- 8. Exposure Controls / Personal Protection – Proper fitting and use guidelines.
- 9. Physical Properties – Material durability and resistance characteristics.
- 10. Stability and Reactivity – Compatibility with chemicals and environmental conditions.
- 11. Toxicological Information – Potential reactions to materials such as latex allergies.
- 12. Ecological Information – Environmental considerations for PPE disposal.
- 13. Disposal Considerations – Proper disposal of damaged or contaminated PPE.
- 14. Transport Information – Packaging and transport requirements.
- 15. Regulatory Information – Compliance with occupational health and safety regulations.
- 16. Other Information – Manufacturer recommendations and inspection intervals.

## **Industries Using PPE Supplied by Mahumbane Consulting**

- Water and wastewater treatment plants
- Mining operations
- Power generation facilities
- Petrochemical plants
- Industrial manufacturing
- Municipal maintenance teams

## **Contact Information**

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