

## HEALTH, FIRE AND SAFETY

[Safety Management System](#)[Safety Literature](#)[Safety Communications](#)[HSE Statistics](#)[Occupational Health & Hygiene](#)[Emergency Management](#)

Chance takers are accident makers    Expect

## News Ticker

Colour code of portable equipment is Orange w.e.f 1st July-2021

Safety management system certified to ISO 45001:2018 Std.

## Picture Library

## Fire Fighting Training Photo



## Star Zone



GGSR Safety Observation card



# HEALTH, FIRE AND SAFETY

[Safety Management System](#)[Safety Literature](#)[Safety Communications](#)[HSE Statistics](#)[Occupational Health & Hygiene](#)[Emergency Management](#)[HSEQ Policy](#)[Safety Committees](#)[ISO 45001](#)[IIF Safety Conversation](#)[Link to TDMS](#)[Risk Assessments](#)[Procedures](#)[Internal Audit Reports](#)[External Audit Reports](#)[Contractor Audit Reports](#)[IIF Safety Conversation Report](#)[Incident Management](#)

Chance takers are accident makers    Expect the unexpect

[Picture Library](#)

First Aid Training Photo



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E&S Department

[Star Zone](#)

**Star Zone**



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ISSUE DATE: 08.12.2021

ISSUE 15

# Safety Bulletin

## Highlight's of the months

### Over achievements

1. Safe Man Hours Worked: **649376 Hrs.**
2. TRIR: **0.0**
3. Lost Time Injuries: **0**
4. Man Days Lost: **0**
5. Frequency Rate: **0**
6. Severity Rate: **0**

## Incidents

## Static Electricity

### Static Electricity

- Static electricity is the result of an imbalance between negative and positive charge in an object. These charges can build up on the surface of an object until they find a way to be released or discharged.
- Static electricity is **one of the most dangerous sources of fire and explosion.**

### Conditions for fire due to static charge

- Rate of generation is higher than the rate of dissipation.
- Accumulated charge is enough to cause a spark with intensity, enough to ignite the gas mixture.
- The gas mixture around the spark is of flammable nature.
- The proportion of flammable gas and air (or oxygen) is within the explosive limits( LEL & UEL)

### Where Static Charge Generation can happen?

- Gas, Vapour, Dust Cloud Flammable and/or combustible material-Storage, Handling, Use & Processing flow.
- Liquid Handling- Flow through hoses and pipes, agitation of two-phase flow setting of two-phase mixtures, filtration, splash filling flow through nozzle etc.
- Powder Handling- Sieving, pouring, mixing, grinding, pneumatic conveying, screw feeding operation flow through nozzle, filling or emptying operation etc.
- Dispersing Operations- Operations in the coating and spray-painting industry.
- Humans walk with insulating soles on a nylon carpet or other plastic floors.

### Recommended steps to Control Hazards of Static Electricity

- Explore ways for minimum charge generation in the system.
- Arrange to prevent accumulation of Static charges in the system.

## Accident and Incident Management

### Incident Report

Safety Observation

Kaizen Sheet

### Incident Report

Create Incident

Incident No	Incident Date	Location	Department	Shift	Action
ANK210001	08/12/2021	Ankleshwar	Plant	General	Edit / Investigate
ANK210002	15/12/2021	Ankleshwar	Plant	Night	Edit / Investigate
ANK210003	17/12/2021	Ankleshwar	Plant	Night	Edit / Investigate
ANK210004	04/12/2021	Ankleshwar	Plant	General	Edit / Investigate
ANK210005	05/12/2021	Ankleshwar	Plant	General	Edit / Investigate
ANK210006	10/12/2021	Ankleshwar	Plant	Morning	Edit / Investigate

## Accident and Incident Management

Incident Report	Incident Report				Save	Cancel
Safety Observation	Incident Number	<input type="text"/>	Incident Time	<input type="text"/>		
Kaizen Sheet	Incident Date	<input type="text"/>	Agency/Sub-Agency	<input type="text"/>		
	Division		Department	<input type="text"/>		
	Location	<input type="text"/>	Exact Location	<input type="text"/>		
	Sub-Location	<input type="text"/>	Incident Type	<input type="text"/>		
	Plant/Site	<input type="text"/>	Incident Classification	<input type="text"/>		
	Advised For	<input type="text"/>	Fire & Explosion	<input type="text"/>		
	To Return on Work	<input type="text"/>	Environment Impact	<input type="text"/>		
	Hospitalization	<input type="text"/>	Occupational Dieses	<input type="text"/>		
	Leave Taken/Given	<input type="text"/>	Property Damage	<input type="text"/>		
			Dangerous Occurrence	<input type="text"/>		
			Process Incident	<input type="text"/>		
			Catastrophic	<input type="text"/>		

Name Of Injured Person	<input type="text"/>	Age	<input type="text"/>
Gender	<input type="text"/>	Category	<input type="text"/>
			<input type="button" value="Add Injured"/>

Name Of Injured Person	Gender	Age	Category
Ravi	Male	50	Employee
Harshad	Male	55	Employee
Venu	Male	44	Contract

Brief Description Of Incident:	<input type="text"/>
Immediate first aid given to injured person.	<input type="text"/>
Immediate Action Taken on incident	<input type="text"/>

Attach Files	<input type="text"/>
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## Accident and Incident Management

### Incident Report

Safety Observation

Kaizen Sheet

### Incident Investigation

Create Investigation

Incident No	Investigation Date	Investigation No	Investigation Team	Action
ANK210001	08/12/2021	1	Harshad, Ravi	Edit
ANK210001	15/12/2021	2	Ravi	Edit
ANK210001	17/12/2021	3	Harshad	Edit
ANK210001	04/12/2021	4	Harshad, Ravi	Edit
ANK210001	05/12/2021	5	Harshad, Ravi	Edit
ANK210001	10/12/2021	6	Harshad, Ravi	Edit

## Accident and Incident Management

### Incident Report

Safety Observation

Kaizen Sheet

### Investigation Incident

Save

Cancel

Incident Number

Incident Time

Incident Date

Agency/Sub-Agency

Division

Department

Location

Exact Location

Sub-Location

Incident Type

Plant/Site

Incident Classification

Advised For

Fire & Explosion

To Return on Work

Environment Impact

Hospitalization

Occupational Dieses

Leave Taken/Given

Property Damage

Investigation No

Dangerous Occurrence

Process Incident

Catastrophic



**Investigation Team**

**Brief Investigation Of Incident**

	Witness 1	Witness 2
Name		
Gender		
Age		

**Immediate action required**

**Corrective Action**

**Preventive Action**

**Root causes of Incident**



Recommendation No	Category	Responsible Person	Compliance Status
1			
2			
3			

File Attachment	
Names:	No.Of Files



## Accident and Incident Management

### Incident Report

Safety Observation

Kaizen Sheet

### Safety Observation Cycle

Save

Cancel

#### Reaction Of People

	Safe	Unsafe
Adjusting Personal Protective Equipment	<input type="radio"/>	<input type="radio"/>
Changing Position	<input type="radio"/>	<input type="radio"/>
Rearranging Job	<input type="radio"/>	<input type="radio"/>
Stopping Job	<input type="radio"/>	<input type="radio"/>
Attaching Grounds	<input type="radio"/>	<input type="radio"/>
Performing Lockouts	<input type="radio"/>	<input type="radio"/>

#### Position of People

	Safe	Unsafe
Falling	<input type="radio"/>	<input type="radio"/>
Repetitive Motions	<input type="radio"/>	<input type="radio"/>
Awkward Positions	<input type="radio"/>	<input type="radio"/>
Static Postures	<input type="radio"/>	<input type="radio"/>

#### Personal Protective Equipment

	Safe	Unsafe
Head	<input type="radio"/>	<input type="radio"/>
Eyes and Face	<input type="radio"/>	<input type="radio"/>
Ears	<input type="radio"/>	<input type="radio"/>
Respiratory System	<input type="radio"/>	<input type="radio"/>
Arms and Hands	<input type="radio"/>	<input type="radio"/>
Trunk	<input type="radio"/>	<input type="radio"/>
Legs and Feet	<input type="radio"/>	<input type="radio"/>

#### Tools and Equipment

	Safe	Unsafe
Right for the Job	<input type="radio"/>	<input type="radio"/>
Used Correctly	<input type="radio"/>	<input type="radio"/>
In Safe Condition	<input type="radio"/>	<input type="radio"/>

Tools and Equipment	Safe	Unsafe
Right for the Job	<input type="radio"/>	<input type="radio"/>
In Safe Condition	<input type="radio"/>	<input type="radio"/>
Structure and Work Area	Safe	Unsafe
Clean	<input type="radio"/>	<input type="radio"/>
Orderly	<input type="radio"/>	<input type="radio"/>
Environment	Safe	Unsafe
Right for the Job	<input type="radio"/>	<input type="radio"/>
In Safe Condition	<input type="radio"/>	<input type="radio"/>
Orderliness	Safe	Unsafe
Right for the Job	<input type="radio"/>	<input type="radio"/>
In Safe Condition	<input type="radio"/>	<input type="radio"/>

Safe Acts Observed	
<div></div>	
Unsafe Acts Observed (Action to Prevent Reoccurrence)	
<div></div>	
Name OF Observer/Employee Code	<div></div>
Date & Time	<div></div>
Area/Plant/Location	<div></div>
Time Spent On Observation	<div></div>

## Accident and Incident Management

### Incident Report

Safety Observation

Kaizen Sheet

### Kaizen Sheet

Create Kaizen

Result Area	Level	Score	Department	Area	Action
ANK210001	08/12/2021	Ankleshwar	Plant	General	Edit
ANK210002	15/12/2021	Ankleshwar	Plant	Night	Edit
ANK210003	17/12/2021	Ankleshwar	Plant	Night	Edit
ANK210004	04/12/2021	Ankleshwar	Plant	General	Edit
ANK210005	05/12/2021	Ankleshwar	Plant	General	Edit
ANK210006	10/12/2021	Ankleshwar	Plant	Morning	Edit



## Accident and Incident Management

### Incident Report

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Kaizen Sheet

### Kaizen Sheet

Save

Cancel

Kaizen Number

Level

Score

Result Area

Plant

Department

Area

Product

Machine

Kaizen Start

Kaizen Finish

Kaizen Category

Problem Present Status

Counter Measure

Originator

Team Members

Photo Before

Photo After

HSE Benefits

## Scope & Plan for Horizontal Deployment

Sr No	Where	Target Date	Responsibility	Compliance Status
1				
2				
3				

Uploaded By	
Evaluated By	
Approved By	