

STATIC ELECTRICITY

Definition : Electricity produced from friction.

One of the largest causes of fire in our industry is static electricity. This is the movement of electrical charge through the air, in the form of a spark, to earth.

STATIC ELECTRICITY OCCURS IN OUR FACTORY WHEN :

- 1) We pump or decant solvent / Paint / Resins.
Its movements generates static electricity.
- 2) Paint being mixed / stirred generates static electricity.

HOW STATIC ELECTRICITY IS GENERATED:

As products are mixed, pumped or decanted they gather a static charge. If they come into contact with anything that does NOT carry the same electrical charge (pot, stirrer, piping) and if the difference in the charge is significant, a spark will occur.

SPARK = IGNITE VAPOUR = FIRE / EXPLOSION

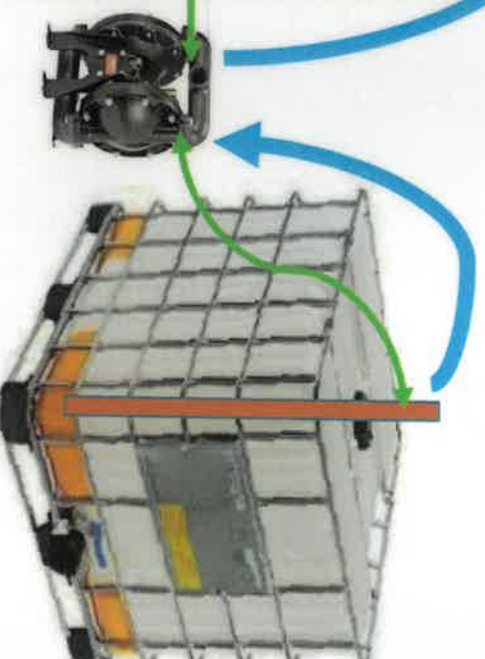
PREVENTATIVE ACTIONS:

- 1) STIRRER MUST BE EARTHED.
- 2) POT MUST BE EARTHED.
- 3) PUMP MUST BE EARTHED TO BOTH PUMPING POINTS.
- 4) CLAMPS AND EARTHING POINTS ON POTS MUST BE KEPT CLEAN AT ALL TIMES.
- 5) ALL EARTHING EQUIPMENT MUST BE KEPT IN GOOD ORDER.

You owe it to yourself and your fellow workers to take all the necessary precautions to avoid a fire / explosion.

EARTHING REQUIREMENTS

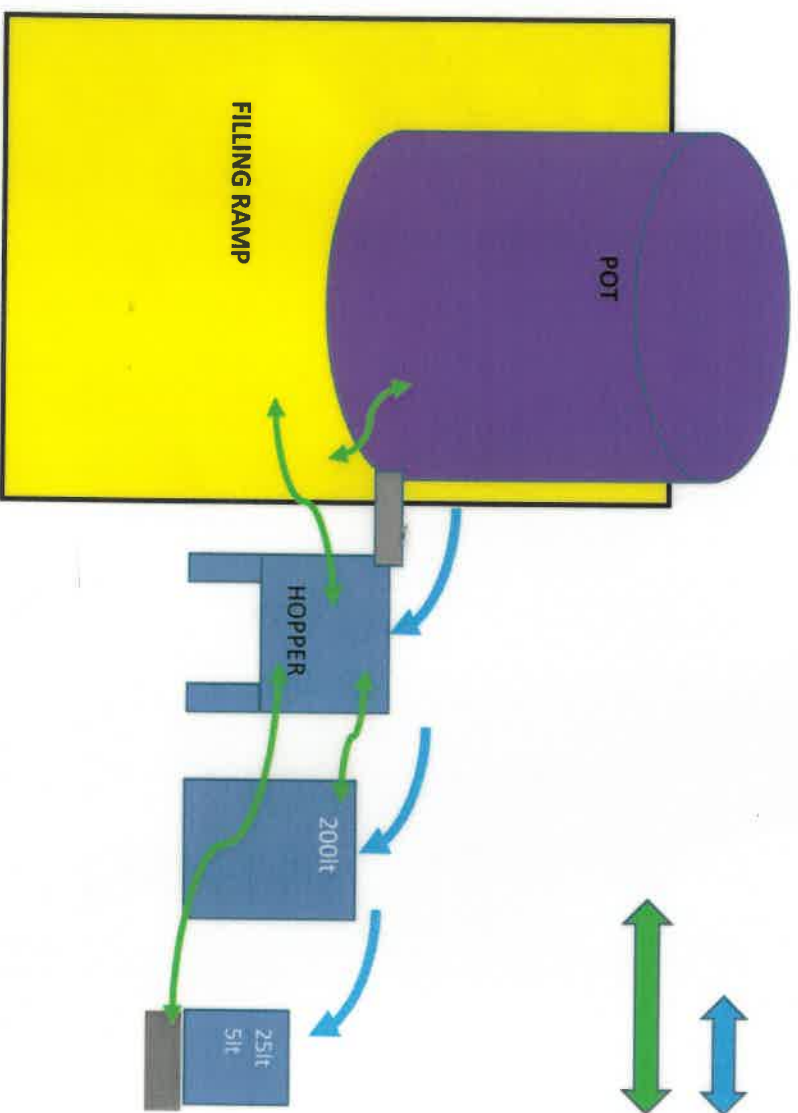
- PUMPING FROM A FLOWBIN TO A PRODUCTION POT.



ATTENTION

1. ENSURE EARTH CLAMP IS CONNECTED TO EARTHED STRUCTURE AND CONNECTED TO PRODUCTION POT.
2. ENSURE EARTH CLAMP IS CONNECTED TO PRODUCTION POT AND CONNECTED TO PUMP.
3. ENSURE EARTH CLAMP IS CONNECTED FROM PUMP TO COPPER EARTH ROD.
4. THE COPPER EARTH ROD MUST BE PLACED INSIDE THE FLOWBIN.
5. EARTH CLAMPS ARE NOT TO BE CONNECTED TO THE FRAME OF THE FLOWBIN.

EARTHING REQUIREMENTS - FILLING FROM THE FILLING RAMP



PAINT / SOLVENT / RESIN

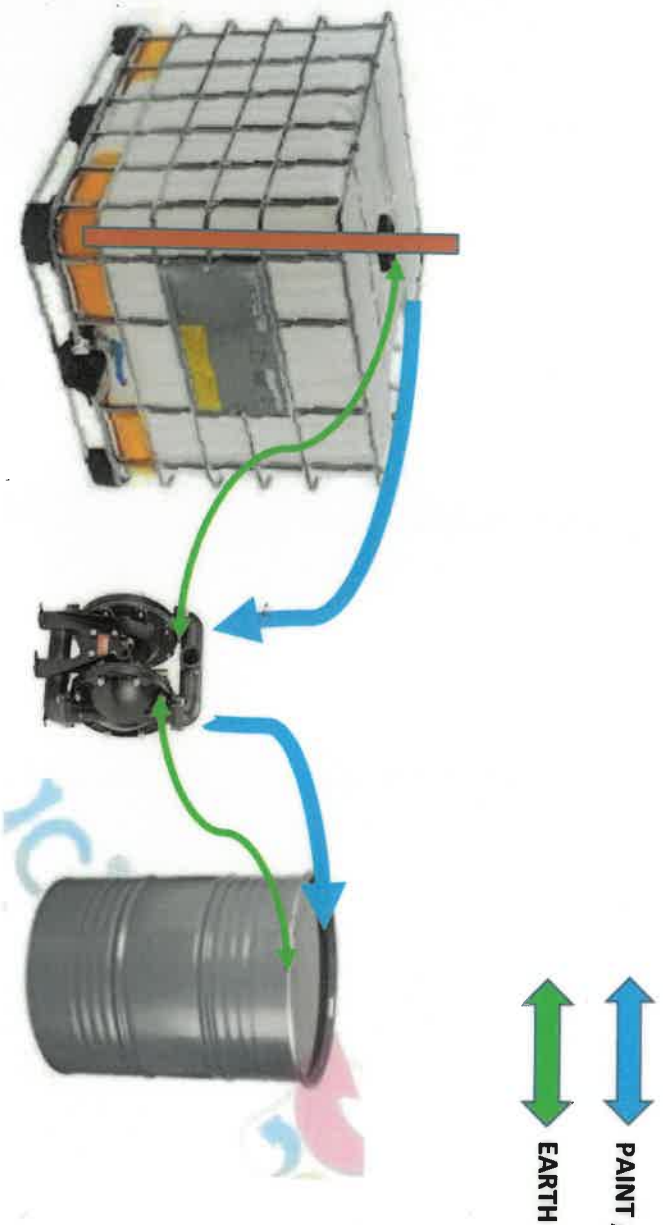
EARTH

ATTENTION

1. ENSURE PRODUCTION POT IS EARTHED TO THE FILLING RAMP.
2. ENSURE EARTH CLAMP IS CONNECTED FROM THE FILLING RAMP STRUCTURE TO THE FILLING HOPPER.
3. ENSURE EARTH CLAMP IS CONNECTED FROM THE FILLING HOPPER TO THE 200LT DRUM.
4. ENSURE EARTH CLAMP IS CONNECTED FROM THE FILLING HOPPER TO THE EARTH BASE PLATE WHEN FILLING 5LT AND 25LT.

EARTHING REQUIREMENTS

- FROM A FLOWBIN TO A 200LT DRUM.



ATTENTION

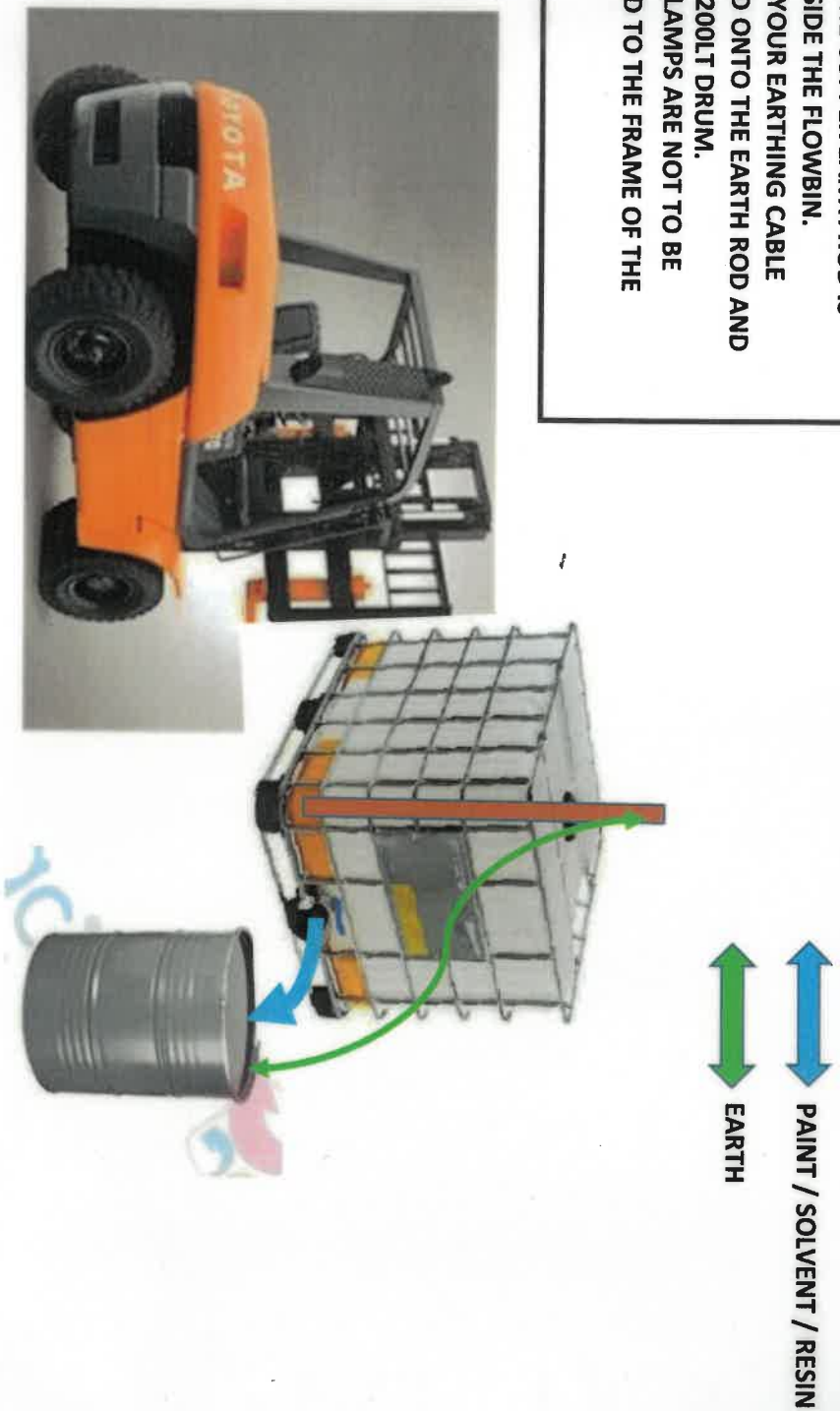
1. ENSURE THE COPPER EARTH ROD IS PLACED INSIDE THE FLOWBIN.
2. ENSURE YOUR EARTHING CABLE IS CLAMPED ONTO THE EARTH ROD AND ONTO THE PUMP.
3. ENSURE EARTH CLAMP IS CONNECTED FROM PUMP TO THE 200LT DRUM.

EARTHING REQUIREMENTS

- DECANTING A FLOWBIN FROM A HYSTER.

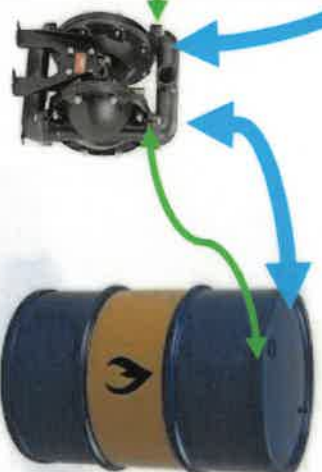
ATTENTION

1. ENSURE THE COPPER EARTH ROD IS PLACED INSIDE THE FLOWBIN.
2. ENSURE YOUR EARTHING CABLE IS CLAMPED ONTO THE EARTH ROD AND ONTO THE 200LT DRUM.
3. EARTH CLAMPS ARE NOT TO BE CONNECTED TO THE FRAME OF THE FLOWBIN.



EARTHING REQUIREMENTS

- PUMPING FROM A 200LT DRUM TO A PRODUCTION POT.
- FILLING INTO A 200LT DRUM FROM A PRODUCTION POT.



PAINT / SOLVENT / RESIN



EARTH

ATTENTION

1. ENSURE EARTH CLAMP IS CONNECTED TO EARTHED STRUCTURE AND CONNECTED TO PRODUCTION POT.
2. ENSURE EARTH CLAMP IS CONNECTED TO PRODUCTION POT AND CONNECTED TO PUMP.
3. ENSURE EARTH CLAMP IS CONNECTED FROM PUMP TO THE 200LT DRUM.