

**Safety Precautions:**

Chemifloc Ltd manufactures and delivers various chemical products to its customers. Some of these products are classified as hazardous chemicals, Class 8 Corrosive and their handling are controlled by special procedures.

These procedures are governed by S.I. 2001/619 - Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulation, 2001.

These chemical products are mildly corrosive and may damage to skin or eyes on contact. All safety and operational procedures must be strictly followed to ensure proper and safe handling.

**Supervision:**

Chemifloc personnel or its agents perform the supervision of all operations.

**1.0 PURPOSE.**

The purpose of this procedure is to establish the procedures to be followed in the event of a chemical spill of products being delivered by Chemifloc Ltd.

**2.0 SCOPE.**

This procedure applies to all spills of chemicals being delivered by Chemifloc Ltd.

**3.0 REFERENCES / ATTACHMENTS.**

M.S.D.S. Register.  
Emergency Plans.  
Safety Notices.  
List of Emergency Controllers.

**4.0 DEFINITIONS.**

None Raised.

**5.0 RESPONSIBILITY.**

The responsibility for the implementation of this procedure lies with the Managing Director. The Managing Director appoints the Emergency Controller.

The responsibility for the proper and safe operation of this procedure lies with the Emergency Controller.

All personnel and drivers are responsible for observing Chemifloc Limited's rules for a chemical spill and for knowing the action to be taken in the event of a spill.

## 6.0 PROCEDURE

### 6.1 INTRODUCTION:

Major spills of chemicals are dangerous and must be handled with care, to prevent injury to personnel and environmental damage.

### 6.2 DISCOVERY OF A SPILL/LEAK:

#### **Actions by Driver:**

When a spill occurs the driver shall alert everybody in the immediate vicinity and informs the customers representative, (if on a customers premises). The driver then places “**DANGER**” signs in the vicinity of the spill. The driver shall immediately contact Chemifloc Ltd (if this is not possible then the driver should ask a person present to contact them). The steps as per Appendix A are then followed. Where appropriate the driver shall consult the ADR Written Instructions for further instructions.

#### **Actions by Chemifloc Ltd:**

When Chemifloc Ltd receives the call from the driver the details are recorded immediately and the Production Manager informed. The Production Manager determines the seriousness of the incident and ensures that the steps as per Appendix A and the ADR Written Instructions are being followed.

An emergency controller shall be appointed to manage the incident if deemed to be necessary.

Spills/leaks are dealt with as per **Emergency Plan 4**

### 6.3 ALARM AND INVESTIGATION:

- In addition to alerting all personnel on site, in all cases of major amounts of chemicals inadvertently being discharged into a public drain or watercourse, the EPA and Local Authority should immediately be warned so that the appropriate action may be taken.
- The procedure for Accident/Incident/Near-miss Investigation ( HS/01) shall be followed when the incident has been terminated. Investigation would depend on the type of spillage, consequences etc. but a major spill with no outside consequences would normally result in an inspection by personnel appointed by the Managing Director.

### 6.4 EXTERNAL LIAISON AND EVACUATION:

- The following persons must be contacted when a small spill/leak occurs:
  - Project Manager
  - Production Manager
  - Emergency Controller
- The following persons must be contacted when a large spill occurs:
  1. If contained within Bunding and does not enter drains or watercourses - Managing Director, Emergency Controller.

2. If risk of entering drains – Fire Brigade, Emergency Controller, Environmental Protection Agency, HSA must also be informed in writing within seven days.
3. If personal injury occurs - written report to the Health and Safety Authority.

## **6.5 CONTROL AND RESCUE:**

- The Managing Director appoints the Emergency Controller.
- The following Personal Protective Equipment (PPE) is available - Chemical Suits, PVC Gloves, Visors, Helmets, Boots, Eye wash, Showers, Hoses, Breathing Apparatus and Basic First Aid Equipment. Containment Booms (i.e. Soda Ash) is also available to restrict the spread of acid.

The Production Manager is responsible for checking the suitability of the Breathing Apparatus. Expiry dates on filters must be checked. This check should be done on a quarterly basis.

- **Access to the spill area is restricted**
- The Managing Director, taking into account the advice of the Emergency Controller, The Emergency Services, Expert consultants as appropriate, shall decide when to terminate the incident.

## **6.6 FIRST AID:**

- First Aid shall be administered according to the recommendations on the relevant Material Safety Data Sheets and ADR Written Instructions
- **All cases of chemical-in-eye injuries shall be referred to a doctor immediately.**

## **6.7 MEDIA LIAISON:**

- The Managing Director will designate Personnel to deal with the media.
- The Emergency Controller will handle initial communications with the media. A statement, if issued, shall take the following format:

**Chemifloc Limited is dealing with the incident as laid down in our emergency procedures and is working closely with the emergency services to resolve the problem. The outcome needs to be assessed and a full report will be issued to the appropriate bodies.**

## **6.8 INFORMATION AND TRAINING:**

- Information is provided to Drivers and employees using this procedure by;
  - Bulleted one step instructions for chemical spill, minor and major.

- The following methods are used to train employees:
  1. Carry out mock drill for acid spill and record in the Training Records.
  2. During drills, employees will be designated specific roles.
  3. Make use of the bulleted one step instructions for chemical spill (Emergency Plan 4).
  4. New employees and contractors are introduced to Emergency Procedures as part of their Induction Training.

## **7.0 RECORDS**

All records of training and accidents/investigations are to be maintained for a minimum of 7 years.

