

# Brand på kemikaliefabrik

Start datum:20011210

Händelse kod: DE/2001/025-[01]

## Kort rapport

### Typ av händelse

Branden inträffade på en kemikalie anläggning

### Inblandade ämnen

Ämnen Seveso II kategori: farlig för miljö (R50/51/53) i kontakt med risk indikation R50 or R51/53. Mängd: 4750 Kg

n- metylpyrrolidon (CAS nr:872-50-4). Mängd: 26200 Kg

tars med hög kokpunkt. Mängd: 800 Kg

terminol 66 väte terfenyler, trefenyler (hettolja) (CAS nr: 61788-32-7). Mängd: 5880 Kg

väteklorid (gasol) (CAS nr: 7647-01-0). Mängd: 7600 Kg

Seveso II kategori: toxisk CO (CAS nr: 6300-08-0) omgivande luft mängd: 150 Kg

Kloro-netylfenyl-acetatsyra (CAS nr:95335-46-9). Mängd: 1850 Kg

3- isokromanon (CAS nr:4385-35-7). Mängd:9000Kg

1,2-fenylendiacetik syra (CAS nr: 7500-53-0). Mängd:393 Kg

2- metyl benzyl klorid (CAS nr:552-45-4). Mängd: 375 Kg

ftalan (CAS nr: 496-14-0). Mängd: 357

metylfenylacetat syra (CAS nr: 644-36-0). Mängd: 1883 Kg

### Olycksorsak

Karbylering-process i tryckreaktor. CO uppsugning nådde 60 % av karbylering när händelsen inträffade.

### Olycksorsak

Orsak okänd.

### Skador

Material förlust: Total förlust av isokromanon anläggningen

### Akutåtgärder

Skyddsåtgärder;

- evakuering av område
- informera personal om det inträffade
- spärring av motorväg
- aktivering av "medborgarinformation telefon linjer "

### Erfarenheter

Ingen kommentar

### English summary

Start date: 10/12/2001

Accident code: DE/2001/025-[01]

### **Accident type(s)**

Fire in a chemical plant

### **Substance(s) directly involved**

Substance: Seveso II Category: dangerous for the environment (R50, 51/53), in connection with risk indication R 50 or R 51/53, qty : 4750kg;  
Substance: n-methylpyrrolidone (C.A.S. No: 872-50-4), qty: 26200.0kg;  
Substance: tars with high boiling point, qty: 800.0kg;  
Substance: therminol 66 - hydrogenated terphenyls, terphenyls (heat carrier oil) (C.A.S. No: 61788-32-7 / 26140-60-3), qty: 5880.0kg;  
Substance: hydrogen chloride (liquefied gas), (C.A.S. No: 7647-01-0), qty: 7600.0kg;  
Substance: Seveso II Category: toxic CO (C.A.S. No: 630-08-0) ambient air, qty: 150.0kg;  
Substance: chloro-methylphenyl-acetic acid, (C.A.S. No: 95335-46-9), qty: 1850.0kg;  
Substance: 3-isochromanone, (C.A.S. No: 4385-35-7), qty: 9000.0kg;  
Substance: 1,2-phenylenediacetic Acid, (C.A.S. No: 7500-53-0), qty: 393.0kg;  
Substance: 2-methyl benzyl chloride; (C.A.S. No: 552-45-4), qty: 375.0kg;  
Substance: phthalan, (C.A.S. No: 496-14-0), qty: 357.0kg;  
Substance: 2-methylphenyl-acetic acid, (C.A.S. No: 644-36-0), qty: 1883.0kg

### **Immediate source(s) of accident**

The carbonylation process was operating in the pressurized reactor. The CO absorption had reached 60% of the planned carbonylation when the accident occurred.

### **Suspected cause(s)**

Cause : unknown

### **Immediate effects**

On-site material losses: Total loss of the Isochromanone plant.

### **Emergency measures taken**

Protection measures:

- Alert the persons present on-site by announcements over the loudspeaker -system and release of the alarm siren.
- evacuation of the site
- counting of the personnel
- closure of roads in the neighborhood
- activation of the "citizen/information telephone lines"

Repaired damage:

Securing of the installation and first on-site cleaning up operations

Environmental damage protection:

- fire fighting operations and abatement of HCL vapors with water curtains;
- all the extinguishing water was caught by the extinguishing water retention systems and was treated in the on-site sewage treatment plant