| R | Exposure | | | Main Complaints | Diagnosis |
|---|-----------|--------------------------|--------------------|---|---|
| K | Substance | Activity | Period | Wam Complaints | Diagnosis |
| 1 | | Unloading a Container | 4 - 5 hours | Headache, vertigo, nausea, dyspnoea, pruritus, loss of strength in left hand | Intoxication with fumigants Pulmonary obstruction and bronchial hyperresponsivness (RADS) Persistent neurological deficiencies |
| 2 | | Unloading a Container | Ca. o | Headache, vertigo, nausea, dyspnoea, visual disturbances, metallic taste, chest pain | Intoxication with fumigantsPulmonary obstruction and bronchial hyperresponsivness (RADS) |
| 3 | | Unloading a Container | Ca. 4 + 2 hours | Headache, vertigo, nausea, dyspnoea, burning skin sensation, metallic taste, furred tongue, attacks of sweating | Intoxication with fumigants |
| 4 | | Unloading a Container | Approx. 4 hours | Headache, nausea, furred tongue, dry mouth, sleep disorder, bloated feeling, flatulence | Intoxication with fumigants |
| 5 | | Unloading a Container | Approx. | burning skin sensation, furred tongue, burning sensation and | Intoxication with fumigants Bronchial hyperresponsivness Intermittent atrial fibrillation and absolute arrhythmia Hyperlipidemia |
| 6 | Phosphine | Storage room | Ca. 30 minutes | skin, itching conjunctivitis, | Phosphine intoxication Persistent polyneuropathy Persistent cerebral dysfunction Bronchial hyperresponsivness |

| 7 | 1,2- Dichloroethane | Warehouse (Storing textiles) | | Headache, vertigo, nausea, dyspnoea, impaired fitness, disturbance of concentration and memory, nasal and oral complaints | Intoxication with fumigants Persistent cerebral dysfunction Bronchial hyperresponsivness |
|----|------------------------|---|-----------------|--|--|
| 8 | | Storing textiles in a warehouse | 10 vears | Headache, vertigo, nausea, dyspnoea, motoric disorder, rhinorrhoea, tightness in the chest | Intoxication with fumigants Persistent disturbance of memory and concentration disorders Bronchial hyperresposivness |
| 9 | 1,2- Dichloroethane | Cleaning warehouse | 4 years | Headache, cognitive disorder, disturbance of concentration, emotional instability, airways irritation and cough | • Intoxication with fumigants • Type-I-sensitisation versus tree and weed |
| 10 | unknown | Container inspection | some minutes | Headache, vertigo, nausea, dyspnoea, visual disturbances, disturbance of memory and concentration disorders | •Intoxication with fumigants |
| 11 | | Unloading Container | | Headache, dyspnoea, cough, pruritus, repetitive epistaxis, reduced fitness, fatigue, muscle cramps, concentration disorders, nervousness | • Intoxication with fumigants • Bronchial hyperresponsivness |
| 12 | unknown | Storing textiles in a warehouse | 4 years | Dyspnoea, cough, red and watering eyes, runny nose, sneezing, temperature, exhaustion | Intoxication with fumigants Type-I-sensitisation versus cats, dogs, weeds, goats and guinea-pigs |
| 13 | Methyl bromide | Loading and Unloading of Containers | | Dyspnoea, vertigo, metal taste, red and itching eyes, abdominal pain | •Intoxication with fumigants |

| 14 | INJETHUL Promice | Unloading Containers, Storing goods (warehouse) | | Headache, retinal bleeding, impaired vision | Methyl bromide intoxication Phosphine intoxication |
|----|-----------------------|---|---------|--|--|
| 15 | Dichloromethane | Moving own furniture via Container from South America to Europe | | Headache, dizziness, irascibility, bitter taste, burning nose, tongue and airways, cough, cognitive disorder, disturbance of concentration, anomic aphasia,, fatigue, muscle cramps and aching muscles | Dichloromethane intoxication |
| 16 | Methyl bromide | Unloading of containers | 1 year | Headache, mucosa and skin irritations, nausea, dizziness, concentration disorders, fatigue, slurred speech, muscle cramps | • Intoxication with methyl bromide • Prostate carcinoma |
| 17 | chioride | Ironing imported textiles | | Airways irritation, cough, chest tightness, dyspnea | Methylene chloride intoxication Bronchial hyperresponsivness |
| 18 | unknown | Container inspection | 1 hour | Headache, nausea, dizziness, irritation of hand and facial skin, airways irritation | • Intoxication with fumigants • Headache, Nausea, Dizziness |
| 19 | Methylene chloride | Ironing imported textiles, Storing textiles | 2 years | Dizziness, weakness, fatigue, chronic fatigue and reduced physical capacity | Methylene chloride intoxication Bronchial hyperresponsivness |

| 20 | Phosphine | Container inspection | 1 day | Headache, airways irritation and dyspnea, cough, nausea, dizziness, concentration disorders and disturbance of memory, chronic fatigue and/or reduced physical capacity, emotional instability, muscle cramps, slurred speech, parasthesia, sleep disorder | Phosphine intoxication Bronchial hyperresponsivness (RADS) |
|----|----------------|-------------------------|----------|--|--|
| 21 | Methyl bromide | Unloading of containers | 2 110000 | Headache, airways irritation, mucosa irritations, dizziness, emotional instability, muscle cramps | • Methyl bromide intoxication • Bronchial hyperresponsivness (RADS) |
| 22 | Methyl bromide | Unloading of containers | 3 VAare | Headache, nausea, dizziness, dysgeusia | Methyl bromide intoxication |
| 23 | Methyl bromide | Unloading of containers | 2 years | Headache, airways irritation and cough, chest tightness, dyspnea, skin irritation, muscle cramps, chronic fatigue and/or reduced physical capacity, emotional instability, dysgeusia | Methyl bromide intoxication Bronchial hyperresponsivness |
| 24 | Methyl bromide | Unloading of containers | 6 months | Headache, airways irritation, mucosa irritation, disturbance of memory, concentration disorders, chronic fatigue and/or reduced physical capacity, emotional instability | Methyl bromide intoxication |

| 25 | Methyl bromide | Unloading of containers | 1 year | Headache, mucosa irritation, concentration disorders, disturbance of memory, chronic fatigue and/or reduced physical capacity | Methyl bromide intoxication |
|----|------------------------|-------------------------|----------|---|----------------------------------|
| 26 | Phosphine | Unloading of containers | 2 months | Headache, airways irritation, cough, skin irritations, nausea, dizziness, muscle cramps, diarrhea, abd. cramps | Phosphine intoxication |
| 27 | Phosphine | Unloading of containers | 4 years | Headache, airways irritations, cough, mucosa irritations, nausea, muscle cramps, diarrhea, abd. cramps, chronic fatigue and/or reduced physical capacity, dizziness | • Phosphine intoxication |
| 28 | Methyl hromide | Unloading of containers | 1 day | Headache, airways irritations, cough, skin and mucosa irritations, nausea, dizziness | Methyl bromide intoxication |
| 29 | Methyl bromide | Unloading of containers | 1 day | Skin and mucosa irritations, dizziness, muscle cramps, concentration disorders, dysgeusia, numbness, seizures, disturbance of memory, chronic fatigue and/or reduced physical capacity, chest tightness, dyspnea, emotional instability, slurred speech, paraesthesia, sleep disorder | Methyl bromide intoxication |
| 30 | 1,2- Dichloroethane | Logistic company | | Disturbance of consciousness, rapid breathing, convulsions | •1,2-Dichloroethane intoxication |

| | Dichloromethane, 1,1,1- trichloroethane, toluene, ethyl acetate, MEK | Adhesive work | | Decrease of muscle strength, muscle atrophy in the hands | Chronic polyneuropathy due to dichloromethane |
|----|--|--|----------|--|---|
| 32 | Methyl bromide | Fumigation | 1 hour | Dizziness, fatigue, nausea and vomiting, chest pain, dyspnoea, ataxia, general convulsions, anuria | Methyl bromide intoxication |
| 33 | Methyl bromide | Fumigation of grain store | | Dizziness, fatigue, nausea and vomiting, chest pain, dyspnoea | Methyl bromide intoxication |
| 34 | Methyl bromide | fumigated house | 1 day | Headache, status epilepticus, hypoglycaemia, rhabdomyolysis, heart with areas of oedema and focal haemorrhage, severe lung oedema, bilateral hippocampal necrosis, death | Methyl bromide intoxication |
| 35 | Methyl bromide | Working in warehouse of imported and fumigated fruit and vegetable | bours | Paresthesia in the feet, unstable gait, blepharoptosis, pharyngeal pain, | Methyl bromide intoxication |
| 36 | Methyl bromide | Fumigation | 9 hours | Feeling sick | Methyl bromide intoxication |
| 37 | Methyl bromide | Fumigation | | Impaired consciousness, convulsions | Methyl bromide intoxication |
| 38 | Methyl bromide | Fumigation | 30 Hours | Impaired consciousness, convulsions | Methyl bromide intoxication |

| 39 | Phosphine | Fumigation at sea | Hours - Days? | Death | Phosphine intoxication |
|----|----------------|--|------------------|--|--|
| 40 | Phosphine | Aluminium phosphide manufacturing | | Chest pain, dyspnoea, dizziness, nausea and vomiting | Phosphine intoxication |
| 41 | Methyl Bromide | Cleaning a grain silo | Minutes | Impaired consciousness, death the same night | Methyl bromide intoxication |
| 42 | unknown | Opening ship's hold after fumigation of lumber | Minutes | Death | Fumigant intoxication Anoxia |
| 43 | unknown | Ship's inspection | Minutes | Death | • Fumigant intoxication |
| 44 | Phosphine | Transportation of fumigated cargo on ship | Several Days | Death (2 cases) | •Death by Phosphine intoxication (2 cases) |
| 45 | Phosphine | Transportation of fumigated cargo on ship | Several Days | 6 "poisoned" seafarers | • 6 cases of Phosphine intoxication |
| 46 | Phosphine | Grain fumigation on board | Several Days | Group of ship's crew "poisoned" | Group Phosphine intoxication |
| 47 | Phosphine | Stowaway in Ship's hold with fumigated cargo | | When found: unconscious, weak pulse, CPR necessary. 45 minutes later: dead | Death due to Phosphine Intoxication |
| 48 | Phosphine | fumigated cargo | 2 days | "poisined" | Phosphine Intoxication |
| 49 | Phosphine | Investigation of clandestine meth- amphetamine laboratories | ZU-3U Minutes | Initially: Dizziness, dry cough, headache, diarrhea Persistent: dry cough | Phosphine Intoxication |

| 50 | Methyl bromide, | Fumigation of a museum | 28-30 Hours | Feeling sick after about 10-12 hours of exposure, dead after 28-30 hours of exposure | Intoxication with methyl bromide |
|----|-------------------|--|------------------|---|---|
| 51 | iEthylene oxide | Fumigation of a museum | hours | Tremors of the hand, later myoclonus, coma, generalized myoclonic convulsions Persistent: mild tremor and intention tremor of right hand | Intoxication with ethylene oxide |
| 52 | Methyl bromide, | Fumigation of products (inhalation of gas when removing seal of cylinder without wearing gas mask) | Seconds | Initially: mild nausea and vomiting. After 3 days dizziness, light-headedness, allophasis, abasia, decreased muscle strength in upper and lower extremities, glove and stocking anaesthesia | • Intoxication with methyl bromide and ethylene oxide |
| 53 | Sulfuryl Fluoride | Fumigation of condominium | Several Hours | Death | Death due to sulfuryl fluoride intoxication |
| 54 | Methyl bromide | import goods in a | several | mucosal, skin, and eye irritation, once bleeding nose, neurological symptoms (nausea, headache) | Intoxication with methyl bromide |
| 55 | Ethylene oxide | import goods in a | several | mucosal, skin, and eye irritation, once bleeding nose, neurological symptoms (nausea, headache) | • Intoxication with ethylene oxide |