



Jabatan Keselamatan dan Kesihatan Pekerjaan

OCCUPATIONAL SAFETY AND HEALTH (CLASSIFICATION, LABELLING AND SAFETY DATA SHEET OF HAZARDOUS CHEMICALS) REGULATIONS 2013

PERATURAN-PERATURAN KESELAMATAN DAN KESIHATAN PEKERJAAN (PENGELASAN, PELABELAN DAN HELAIAN DATA KESELAMATAN BAHAN KIMIA BERBAHAYA) 2013

CLASS PICTOGRAMS

PHYSICAL HAZARD BAHAYA FIZIKAL



Explosion Bom Meletup

- Explosives (Unstoppable explosives, Div. 1.1, 1.2, 1.3 & 1.4)
- Self-reactive chemicals
- Organic peroxide
- Bahan letup (Bahan letup tidak stabil, Div. 1.1, 1.2, 1.3 & 1.4)
- Bahan kimia swareaktif (Jenis A & B)
- Peroksida organik (Jenis A & B)

PHYSICAL HAZARD BAHAYA FIZIKAL



Flame Nyalaan

- Flammable (Gas (Cat. 1), aerosol, liquid & solid)
- Self-reactive chemicals (Type B,C,D,E & F)
- Pyrophoric (Liquids & solids)
- Self-heating chemicals
- Chemicals which, if in contact with water, emits flammable gas
- Organic peroxides (Type B,C,D,E & F)
- Mudah terbakar (Gas (Kat.1), aerosol, cecair & pepejal)
- Bahan kimia swareaktif (Jenis B,C,D,E & F)
- Piroforik (Cecair & pepejal)
- Bahan kimia swapanasan
- Bahan kimia yang jika terkena air, membebaskan gas mudah terbakar
- Peroksida organik (Jenis B,C,D,E & F)

PHYSICAL HAZARD BAHAYA FIZIKAL



Flame over circle Nyalaan Atas Bulatan

- Oxidizing gases
- Oxidizing liquids (Cat. 1, 2 & 3)
- Oxidizing solids (Cat. 1, 2 & 3)
- Gas mengoksida
- Cecair mengoksida (Kat. 1, 2 & 3)
- Pepejal mengoksida (Kat. 1, 2 & 3)

PHYSICAL HAZARD BAHAYA FIZIKAL



Cylinder Gas Gas Silinder

- Gases under pressure (Compressed gas, liquefied gas, refrigerated liquefied gas & dissolved gas)
- Gas di bawah tekanan (Gas termampat, gas tercair, gas tercair sejuk & gas terlarut)

PHYSICAL/HEALTH HAZARD BAHAYA FIZIKAL/KESIHATAN



Corrosion Kakisan

- Corrosive to metals
- Skin corrosion or irritation (Cat.1A/1B/1C)
- Serious eye damage or eye irritation (Cat. 1)
- Mengakis logam
- Kakisan atau kerengsaan kulit (Kat. 1A/1B/1C)
- Kerosakan mata atau kerengsaan mata yang serius (Kat. 1)

HEALTH HAZARD BAHAYA KESIHATAN



Skull and Crossbones Tengkorak dan Tulang Bersilang

- Acute toxicity—oral (Cat. 1, 2 & 3)
- Acute toxicity—skin (Cat. 1, 2 & 3)
- Acute toxicity—inhalation (Cat. 1, 2 & 3)
- Ketoksikan akut—oral (Kat. 1, 2 & 3)
- Ketoksikan akut—kulit (Kat. 1, 2 & 3)
- Ketoksikan akut—penyedutan (Kat. 1, 2 & 3)

HEALTH/ENVIRONMENTAL HAZARD BAHAYA KESIHATAN/ALAM SEKITAR



Exclamation Mark Tanda Seru

- Acute toxicity—oral (Cat. 4)
- Acute toxicity—skin (Cat. 4)
- Acute toxicity—inhalation (Cat. 4)
- Skin corrosion or irritation (Cat. 2)
- Serious eye damage or eye irritation (Cat. 2)
- Skin sensitization
- Specific target organ toxicity—single exposure (Cat. 3)
- Hazardous to the ozone layer
- Ketoksikan akut—oral (Kat. 4)
- Ketoksikan akut—kulit (Kat. 4)
- Ketoksikan akut—penyedutan (Kat. 4)
- Kakisan atau kerengsaan kulit (Kat. 2)
- Kerosakan mata atau kerengsaan mata yang serius (Kat. 2)
- Pemekaan kulit
- Ketoksikan organ sasaran khusus—pendedahan tunggal (Kat. 3)
- Berbahaya kepada lapisan ozon

HEALTH HAZARD BAHAYA KESIHATAN



Health Hazard Bahaya Kesihatan

- Respiratory sensitization
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity (Cat. 1A/1B & 2)
- Specific target organ toxicity—single exposure (Cat. 1 & 2)
- Specific target organ toxicity—repeated exposure (Cat. 1 & 2)
- Aspiration hazard
- Pemekaan pernafasan
- Kemutagenan sel germa
- Kekarsinogenan
- Ketoksikan pembiakan (Kat. 1A/1B & 2)
- Ketoksikan organ sasaran khusus—pendedahan tunggal (Kat. 1 & 2)
- Ketoksikan organ sasaran khusus—pendedahan berulang (Kat.1 & 2)
- Bahaya aspirasi

ENVIRONMENTAL HAZARD BAHAYA ALAM SEKITAR



Alam Sekitar Environment

- Hazardous to aquatic environment—acute hazard
- Hazardous to aquatic environment—chronic hazard (Cat. 1 & 2)
- Berbahaya kepada persekitaran akuatik—bahaya akut
- Berbahaya kepada persekitaran akuatik—bahaya kronik (Kat. 1 & 2)