

Reference to special dangers in accordance with
Anh. III of the EEC guideline 67/548
R-sentences

R 1	Explosive in its dry state.
R 2	Explosive by impact, friction, fire or other ignition sources.
R 3	Extra explosive by impact, friction, fire or other ignition sources particularly explosion-dangerously.
R 4	Forms highly explosive sensitive metal bonds.
R 5	Explosive when heating up.
R 6	Explosive with and without air.
R 7	Can cause fire.
R 8	Danger of fire during contact with inflammable materials.
R 9	Danger of explosion when mixtured with inflammable materials.
R 10	Inflammable
R 11	Easy inflammable.
R 12	Highly inflammable.
R 13	Highly inflammable liquid gas.
R 14	Reacts violently with water.
R 15	Reacts with water generating easy inflammable gases.
R 16	Explosive in mixtures with fire-sustaining materials.
R 17	Inflammable in air.
R 18	During the use explosive/easy-inflammable air-steam mixtures are possible.
R 19	Can generate explosive peroxides.
R 20	Harmful to health in case of inhalation.
R 21	Harmful to health during contact with the skin.
R 22	Harmful to health when swallowing.
R 23	Poisonous in case of inhalation.
R 24	Poisonous during contact with the skin.
R 25	Poisonous when swallowing.
R 26	Very malicious in case of inhalation.
R 27	Very malicious during contact with the skin.
R 28	Very malicious when swallowing.
R 29	Generates poisonous gases when in contact with water.
R 30	During the use becomes easily inflammable.
R 31	In contact with acids generates poisonous gases.
R 32	In contact with acids generates very poisonous gases.
R 33	Danger of cumulative effects.
R 34	Causes burns.
R 35	Causes heavy burns.
R 36	Provokes the eyes.
R 37	Provokes the respiratory organs.
R 38	Provokes the skin.
R 39	Serious danger of irreversible damage.
R 40	Irreversible damage possible.
R 41	Danger of serious eye damage.
R 42	Sensitization by inhalation possible

R 43	Sensitization by skin contact possible.
R 44	Danger of explosion with heating up under inclusion.
R 45	Can generate cancer.
R 46	Can cause inheriting damages.
R 47	Can cause deformities.
R 48	Danger of serious health damage at long exposures.
R 49	Can generate cancer at inhalation.
R 50	Very malicious for water organisms
R 51	Poisonous for water organisms
R 52	Harmful for water organisms
R 53	In waters can have long term harmful effects.
R 54	Poisonous for plants.
R 55	Poisonous for animals.
R 56	Poisonous for soil organisms.
R 57	Poisonous for bees.
R 58	Can have long-term effect on the environment
R 59	Dangerous for the ozone layer.
R 60	Can affect the fertility.
R 61	Can damage the child in the nut/mother body.
R 62	Possibly can affect the fertility.
R 63	Possible can damage the child in the nut/mother body.
R 64	Can damage the babies via mother's milk.
R 65	Harmful to health; In case of swallowing can cause lung damage.
R 66	Repeated contact can cause brittle or cracked skin.
R 67	Stears can cause sleepiness and lightheadedness.

Combination of R-sentences

R 14/15	Reacts violently with water generating highly inflammable gases.
R 15/29	Reacts violently with water generating poisonous and highly inflammable gases.
R 20/21	Harmful to health in case of inhalation and contact with the skin.
R 20/22	Harmful to health in case of inhalation and swallowing.
R 20/21/22	Harmful to health during inhalation, swallowing and contact with the skin.
R 21/22	Harmful to health during contact with the skin and swallowing.
R 23/24	Poisonous in case of inhalation and during contact with the skin.
R 23/25	Poisonous in case of inhalation and swallowing.
R 23/24/25	Poisonous in case of inhalation, swallowing and contact with the skin.
R 24/25	Poisonous during contact with the skin and when swallowing.
R 26/27	Very malicious in case of inhalation and during contact with the skin.
R 26/28	Very malicious in case of inhalation and swallowing.
R 26/27/28	Very malicious in case of inhalation, swallowing and contact with the skin.
R 27/28	Very malicious during contact with the skin and when swallowing.
R 36/37	Provokes the eyes and the respiratory organs.
R 36/38	Provokes the eyes and the skin.
R 36/37/38	Provokes the eyes, respiratory organs and the skin.
R 37/38	Provokes the respiratory organs and the skin.
R 39/23	Poisonous; serious danger of irreversible damage in case of inhalation.
R 39/24	Poisonous; serious danger of irreversible damage during contact with the skin.
R 39/25	Poisonous; serious danger of irreversible damage in case of swallowing.
R 39/23/24	Poisonous; serious danger of irreversible damage in case of inhalation and during contact with the skin.
R 39/23/25	Poisonous; serious danger of irreversible damage in case of inhalation and swallowing.
R 39/24/25	Poisonous; serious danger of irreversible damage during contact with the skin and by swallowing.
R 39/23/24/25	Poisonous; serious danger of irreversible damage by inhalation, contact with the skin and by swallowing.
R 39/26	Very malicious; serious danger of irreversible damage by inhalation.
R 39/27	Very malicious; serious danger of irreversible damage during contact with the skin.
R 39/28	Very malicious; serious danger of irreversible damage by swallowing.
R 39/26/27	Very malicious; serious danger of irreversible damage by inhalation and during contact with the skin.
R 39/26/28	Very malicious; serious danger of irreversible damage by inhalation and by swallowing.
R 39/27/28	Very malicious; serious danger of irreversible damage during contact with the skin and by swallowing.
R 39/26/27/28	Very malicious; serious danger of irreversible damage by inhalation, contact with the skin and by swallowing.
R 40/20	Harmful to health: Possible irreversible damage by inhalation.
R 40/21	Harmful to health: Possible irreversible damage during contact with the skin.
R 40/22	Harmful to health: Possible irreversible damage by swallowing.
R 40/20/21	Harmful to health: Possible irreversible damage by inhalation and during contact with the skin.

R 40/20/22	Harmful to health: Possible irreversible damage by inhalation and by swallowing
R 40/21/22	Harmful to health: Possible of irreversible damage during contact with the skin and by swallowing.
R 40/20/21/22	Harmful to health: Possible of irreversible damage by inhalation, contact with the skin and by swallowing.
R 42/43	Possible sensitization by inhalation and skin contact.
R 48/20	Harmful to health: Danger of serious health damage at long inhalation exposures.
R 48/21	Harmful to health: Danger of serious health damage at long contact with the skin exposures.
R 48/22	Harmful to health: Danger of serious health damage at long swallowing exposure.
R 48/20/21	Harmful to health: Danger of serious health damage at long exposure by inhalation and by contact with the skin.
R 48/20/22	Harmful to health: Danger of serious health damage at long exposure by inhalation and by swallowing.
R 48/21/22	Harmful to health: Danger of serious health damage at long exposures by contact with the skin and by swallowing
R 48/20/21/22	Harmful to health: Danger of serious health damage at long exposures by inhalation, contact with the skin and by swallowing.
R 48/23	Poisonous: Danger of serious health damage at long exposures by inhalation.
R 48/24	Poisonous: Danger of serious health damage at long exposures by contact with the skin.
R 48/25	Poisonous: Danger of serious health damage at long exposures by swallowing
R 48/23/24	Poisonous: Danger of serious health damage at long exposures by inhalation and by contact with the skin.
R 48/23/25	Poisonous: Danger of serious health damage at long exposures by inhalation and by swallowing.
R 48/24/25	Poisonous: Danger of serious health damage at long exposures by contact with the skin and by swallowing.
R 48/23/24/25	Poisonous: Danger of serious health damage at long exposures by inhalation, contact with the skin and by swallowing.
R 50/53	Very malicious for water organisms, can have long term harmful effects.
R 51/53	Poisonous for water organisms, in waters can have long term harmful effects.
R 52/53	Harmful for water organisms, in waters can have long term harmful effects.