

RISK PHRASES

Indication of Particular Risks

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|-----|---|-----|---|
| R1 | Explosive when dry | R35 | Causes severe burns |
| R2 | Risk of explosion by shock, friction, fire or other sources of ignition | R36 | Irritating to the eyes |
| R3 | Extreme risk of explosion by shock, friction, fire or other sources of ignition | R37 | Irritating to the respiratory system |
| R4 | Forms very sensitive explosive metallic compounds | R38 | Irritating to the skin |
| R5 | Heating may cause an explosion | R39 | Danger of very serious irreversible effects |
| R6 | Explosive with or without contact with air | R40 | Limited evidence of a carcinogenic effect |
| R7 | May cause fire | R41 | Risk of serious damage to eyes |
| R8 | Contact with combustible material may cause fire | R42 | May cause sensitization by inhalation |
| R9 | Explosive when mixed with combustible material | R43 | May cause sensitization by skin contact |
| R10 | Flammable | R44 | Risk of explosion if heated under confinement |
| R11 | Highly Flammable | R45 | May cause cancer |
| R12 | Extremely Flammable | R46 | May cause heritable genetic damage |
| | | R47 | May cause birth defects. |

- R13 Extremely flammable liquefied gas
- R14 Reacts violently with water
- R15 Contact with water liberates extremely flammable gases
- R16 Explosive when mixed with oxidizing substances
- R17 Spontaneously flammable in air
- R18 In use may form flammable/explosive vapor-air mixture
- R19 May form explosive peroxides
- R20 Harmful by inhalation
- R21 Harmful in contact with skin
- R22 Harmful if swallowed
- R23 Toxic by inhalation
- R24 Toxic in contact with skin
- R25 Toxic if swallowed
- R26 Very Toxic by inhalation
- R27 Very Toxic in contact with skin
- R28 Very Toxic if swallowed
- R29 Contact with water liberates toxic gas
- R48 Danger of serious damage to health by prolonged exposure
- R49 May cause cancer by inhalation
- R50 Very Toxic to aquatic organisms
- R51 Toxic to aquatic organisms
- R52 Harmful to aquatic organisms
- R53 May cause long-term adverse effects in the aquatic environment
- R54 Toxic to flora
- R55 Toxic to fauna
- R56 Toxic to soil organisms
- R57 Toxic to bees
- R58 May cause long-term adverse effects in the environment
- R59 Dangerous for the ozone layer
- R60 May impair fertility
- R61 May cause harm to the unborn child
- R62 Possible risk of impaired fertility

R30 Can become highly flammable in use

R31 Contact with acids liberates toxic gas

R32: Contact with acids liberates very toxic gas

R33: Danger of cumulative effects

R34: Causes burns

R63 Possible risk of harm to the unborn child

R64 May cause harm to breast-fed babies

R65 Harmful: May cause lung damage if swallowed

R66 Repeated exposure may cause skin dryness or cracking

R67: Vapors may cause drowsiness and dizziness

R68: Possible risk of irreversible effects

Combination of Particular Risks

R14/15: Reacts violently with water, liberating extremely flammable gases

R15/29: Contact with water liberates toxic, extremely flammable gas

R 20/21: Harmful by inhalation and in contact with skin

R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed

R 20/22: Harmful by inhalation and if swallowed

R 21/22: Harmful in contact with skin and if swallowed

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation

R48/20/21: Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin

R48/20/21/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation, and in contact with skin and if swallowed

R 23/24:	Toxic by inhalation and in contact with skin	R48/20/22:	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
R 23/24/25:	Toxic by inhalation, in contact with skin and if swallowed	R48/21:	Harmful: danger of serious damage to health by prolonged exposure in contact with skin
R23/25:	Toxic by inhalation and if swallowed	R48/21/22:	Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed
R24/25:	Toxic in contact with skin and if swallowed	R48/22:	Harmful: danger of serious damage to health by prolonged exposure if swallowed
R26/27:	Very Toxic by inhalation and in contact with skin	R48/23:	Toxic: danger of serious damage to health by prolonged exposure through inhalation
R26/27/28:	Very Toxic by inhalation, in contact with skin and if swallowed	R48/23/24:	Toxic: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin
R26/28:	Very Toxic by inhalation and if swallowed	R48/23/24/25:	Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed
R27/28:	Very Toxic in contact with skin and if swallowed	R48/23/25:	Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
R36/37:	Irritating to eyes and respiratory system		
R36/37/38:	Irritating to eyes, respiratory system and skin		
R36/38:	Irritating to eyes and skin		
R37/38:	Irritating to respiratory system and skin		
R39/23:	Toxic: danger of very serious irreversible effects through inhalation		

R39/23/24:	Toxic: danger of very serious irreversible effects through inhalation in contact with skin	R48/24:	Toxic: danger of serious damage to health by prolonged exposure in contact with skin
R39/23/24/25:	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed	R48/24/25:	Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed
R39/23/25 :	Toxic: danger of very serious irreversible effects through inhalation and if swallowed	R48/25:	Toxic: danger of serious damage to health by prolonged exposure if swallowed
R39/24:	Toxic: danger of very serious irreversible effects in contact with skin	R50/53:	Very Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R39/24/25:	Toxic: danger of very serious irreversible effects in contact with skin and if swallowed	R51/53:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R39/25:	Toxic: danger of very serious irreversible effects if swallowed	R52/53:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R39/26:	Very Toxic: danger of very serious irreversible effects through inhalation	R68/20:	Harmful: possible risk of irreversible effects through inhalation
R39/26/27:	Very Toxic: danger of very serious irreversible effects through inhalation and in contact with skin	R68/20/21:	Harmful: possible risk of irreversible effects through inhalation and in contact with skin
R39/26/27/28:	Very Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed		

R39/26/28: Very Toxic: danger of very serious irreversible effects through inhalation and if swallowed

R39/27: Very Toxic: danger of very serious irreversible effects in contact with skin

R39/27/28: Very Toxic: danger of very serious irreversible effects in contact with skin and if swallowed

R39/28: Very Toxic: danger of very serious irreversible effects if swallowed

R42/43: May cause sensitization by inhalation and skin contact

R68/20/21/22: Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed

R68/20/22: Harmful: possible risk of irreversible effects through inhalation and if swallowed

R68/22: Harmful: possible risk of irreversible effects if swallowed

R68/21: Harmful: possible risk of irreversible effects in contact with skin

R68/21/22: Harmful: possible risk of irreversible effects in contact with skin and if swallowed

R68/22: Harmful: possible risk of irreversible effects if swallowed