

Safety Information

Risk Phrases

INDICATION OF PARTICULAR RISKS:

- R1: Explosive when dry
- 2: Risk of explosion by shock, friction, fire or other sources of ignition
- 3: Extreme risk of explosion by shock, friction, fire or other sources of ignition
- 4: Forms very sensitive explosive metallic compounds
- 5: Heating may cause an explosion
- 6: Explosive with or without contact with air
- 7: May cause fire
- 8: Contact with combustible material may cause fire
- 9: Explosive when mixed with combustible material
- 10: Flammable
- 11: Highly flammable
- 12: Extremely flammable
- 14: Reacts violently with water
- 15: Contact with water liberates extremely flammable gases
- 16: Explosive when mixed with oxidizing substances
- 17: Spontaneously flammable in air
- 18: In use may form flammable/explosive vapor-air mixture
- 19: May form explosive peroxides
- 20: Harmful by inhalation
- 21: Harmful in contact with skin
- 22: Harmful if swallowed
- 23: Toxic by inhalation
- 24: Toxic in contact with skin
- 25: Toxic if swallowed
- 26: Very toxic by inhalation
- 27: Very toxic in contact with skin
- 28: Very toxic if swallowed
- 29: Contact with water liberates toxic gas
- 30: Can become highly flammable in use
- 31: Contact with acids liberates toxic gas
- 32: Contact with acids liberates very toxic gas
- 33: Danger of cumulative effects
- 34: Causes burns
- 35: Causes severe burns
- 36: Irritating to the eyes
- 37: Irritating to the respiratory system
- 38: Irritating to the skin
- 39: Danger of very serious irreversible effects
- 40: Limited evidence of a carcinogenic effect
- 41: Risk of serious damage to eyes
- 42: May cause sensitization by inhalation
- 43: May cause sensitization by skin contact
- 44: Risk of explosion if heated under confinement
- 45: May cause cancer
- 46: May cause heritable genetic damage
- 48: Danger of serious damage to health by prolonged exposure
- 49: May cause cancer by inhalation
- 50: Very toxic to aquatic organisms
- 51: Toxic to aquatic organisms
- 52: Harmful to aquatic organisms
- 53: May cause long-term adverse effects in the aquatic environment
- 54: Toxic to flora
- 55: Toxic to fauna
- 56: Toxic to soil organisms
- 57: Toxic to bees
- 58: May cause long-term adverse effects in the environment
- 59: Dangerous for the ozone layer
- 60: May impair fertility
- 61: May cause harm to the unborn child
- 62: Possible risk of impaired fertility
- 63: Possible risk of harm to the unborn child
- 64: May cause harm to breast-fed babies
- 65: Harmful: may cause lung damage if swallowed
- 66: Repeated exposure may cause skin dryness or cracking
- 67: Vapors may cause drowsiness and dizziness
- 68: Possible risk of irreversible effects

COMBINATION OF PARTICULAR RISKS:

- 14/15: Reacts violently with water, liberating extremely flammable gases
- 15/29: Contact with water liberates toxic, extremely flammable gas
- 20/21: Harmful by inhalation and in contact with skin
- 20/21/22: Harmful by inhalation, in contact with skin and if swallowed
- 20/22: Harmful by inhalation and if swallowed
- 21/22: Harmful in contact with skin and if swallowed
- 23/24: Toxic by inhalation and in contact with skin
- 23/24/25: Toxic by inhalation, in contact with skin and if swallowed
- 23/25: Toxic by inhalation and if swallowed
- 24/25: Toxic in contact with skin and if swallowed
- 26/27: Very toxic by inhalation and in contact with skin
- 26/27/28: Very toxic by inhalation, in contact with skin and if swallowed
- 26/28: Very toxic by inhalation and if swallowed
- 27/28: Very toxic in contact with skin and if swallowed
- 36/37: Irritating to eyes and respiratory system
- 36/37/38: Irritating to eyes, respiratory system and skin

- 36/38: Irritating to eyes and skin
- 37/38: Irritating to respiratory system and skin
- 39/23: Toxic: danger of very serious irreversible effects through inhalation
- 39/23/24: Toxic: danger of very serious irreversible effects through inhalation and in contact with skin
- 39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
- 39/23/25: Toxic: danger of very serious irreversible effects through inhalation and if swallowed
- 39/24: Toxic: danger of very serious irreversible effects in contact with skin
- 39/24/25: Toxic: danger of very serious irreversible effects in contact with skin and if swallowed
- 39/25: Toxic: danger of very serious irreversible effects if swallowed
- 39/26: Very toxic: danger of very serious irreversible effects through inhalation
- 39/26/27: Very toxic: danger of very serious irreversible effects through inhalation and in contact with skin
- 39/26/27/28: Very toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
- 39/26/28: Very toxic: danger of very serious irreversible effects through inhalation and if swallowed
- 39/27: Very toxic: danger of very serious irreversible effects in contact with skin
- 39/27/28: Very toxic: danger of very serious irreversible effects in contact with skin and if swallowed
- 39/28: Very toxic: danger of very serious irreversible effects if swallowed
- 42/43: May cause sensitization by inhalation and skin contact
- 48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation
- 48/20/21: Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin
- 48/20/21/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed
- 48/20/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
- 48/21: Harmful: danger of serious damage to health by prolonged exposure in contact with skin
- 48/21/22: Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed
- 48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed
- 48/23: Toxic: danger of serious damage to health by prolonged exposure through inhalation
- 48/23/24: Toxic: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin
- 48/23/24/25: Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed
- 48/23/25: Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
- 48/24: Toxic: danger of serious damage to health by prolonged exposure in contact with skin
- 48/24/25: Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed
- 48/25: Toxic: danger of serious damage to health by prolonged exposure if swallowed
- 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- 68/20: Harmful: possible risk of irreversible effects through inhalation
- 68/20/21: Harmful: possible risk of irreversible effects through inhalation and in contact with skin
- 68/20/21/22: Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed
- 68/20/22: Harmful: possible risk of irreversible effects through inhalation and if swallowed
- 68/21: Harmful: possible risk of irreversible effects in contact with skin
- 68/21/22: Harmful: possible risk of irreversible effects in contact with skin and if swallowed
- 68/22: Harmful: possible risk of irreversible effects if swallowed
- 14: Keep away from ... (incompatible materials to be indicated by the manufacturer)
- 15: Keep away from heat
- 16: Keep away from sources of ignition - No smoking
- 17: Keep away from combustible material
- 18: Handle and open container with care
- 20: When using, do not eat or drink
- 21: When using, do not smoke
- 22: Do not breathe dust
- 23: Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer)
- 24: Avoid contact with skin
- 25: Avoid contact with eyes
- 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- 27: Take off immediately all contaminated clothing
- 28: After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)
- 29: Do not empty into drains
- 30: Never add water to this product
- 33: Take precautionary measures against static discharges
- 35: This material and its container must be disposed of in a safe way
- 36: Wear suitable protective clothing
- 37: Wear suitable gloves
- 38: In case of insufficient ventilation, wear suitable respiratory equipment
- 39: Wear eye/face protection
- 40: To clean the floor and all objects contaminated by this material use ... (to be specified by the manufacturer)
- 41: In case of fire and/or explosion do not breathe fumes
- 42: During fumigation/spraying wear suitable respiratory equipment (appropriate wording to be specified by the manufacturer)
- 43: In case of fire, use ... (indicate in the space the precise type of fire-fighting equipment. If water increases the risk add - Never use water)
- 45: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
- 46: If swallowed, seek medical advice immediately and show this container or label
- 47: Keep at temperature not exceeding ... °C (to be specified by the manufacturer)
- 48: Keep wet with ... (appropriate material to be specified by the manufacturer)
- 49: Keep only in the original container
- 50: Do not mix with ... (to be specified by the manufacturer)
- 51: Use only in well-ventilated areas
- 52: Not recommended for interior use on large surface areas
- 53: Avoid exposure - obtain special instruction before use
- 56: Dispose of this material and its container to hazardous or special waste collection point
- 57: Use appropriate container to avoid environmental contamination
- 59: Refer to manufacturer/supplier for information on recovery/recycling
- 60: This material and/or its container must be disposed of as hazardous waste
- 61: Avoid release to the environment. Refer to special instructions/safety data sheet
- 62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label
- 63: In case of accident by inhalation, remove casualty to fresh air and keep at rest
- 64: If swallowed, rinse mouth with water (only if the person is conscious)

COMBINATION OF SAFETY PRECAUTIONS:

- 1/2: Keep locked up and out of the reach of children
- 3/7: Keep container tightly closed in a cool place
- 3/9/14: Keep in a cool well-ventilated place away from ... (incompatible materials to be indicated by manufacturer)
- 3/9/14/49: Keep only in the original container in a cool well-ventilated place away from ... (incompatible materials to be indicated by manufacturer)
- 3/9/49: Keep only in the original container in a cool well-ventilated place
- 3/14: Keep in a cool place away from ... (incompatible materials to be indicated by the manufacturer)
- 7/8: Keep container tightly closed and dry
- 7/9: Keep container tightly closed and in a well-ventilated place
- 7/47: Keep container tightly closed and at a temperature not exceeding ... °C (to be specified by manufacturer)
- 20/21: When using, do not eat, drink or smoke
- 24/25: Avoid contact with skin and eyes
- 27/28: After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of ... (to be specified by the manufacturer)
- 29/35: Do not empty into drains, dispose of this material and its container in a safe way
- 29/56: Do not empty into drains, dispose of this material and its container at hazardous or special waste-collection point
- 36/37: Wear suitable protective clothing and gloves
- 36/37/39: Wear suitable protective clothing, gloves and eye/face protection
- 36/39: Wear suitable protective clothing and eye/face protection
- 37/39: Wear suitable gloves and eye/face protection
- 47/49: Keep only in the original container at temperature not exceeding ... °C (to be specified by manufacturer)

Safety Phrases

INDICATION OF SAFETY PRECAUTIONS:

- S1: Keep locked up
- 2: Keep out of the reach of children
- 3: Keep in a cool place
- 4: Keep away from living quarters
- 5: Keep contents under ... (appropriate liquid to be specified by the manufacturer)
- 6: Keep under ... (inert gas to be specified by the manufacturer)
- 7: Keep container tightly closed
- 8: Keep container dry
- 9: Keep container in a well-ventilated place
- 12: Do not keep the container sealed
- 13: Keep away from food, drink and animal feeding stuffs

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