

## Risk Numbers and Phrases

Number	Statutory Risk Phrase
R1.	Explosive when dry
R2.	Risk of explosion by shock, friction fire or other sources of ignition
R3	Extreme risk of explosion by shock, friction, fire or other sources of ignition
R4:	Forms very sensitive explosive metallic compounds
R5:	Heating may cause an explosion
R6:	Explosive with or without contact with air
R7:	May cause fire
R8:	Contact with combustible material may cause fire
R9:	Explosive when mixed with combustible material
R10:	Flammable
R11:	Highly flammable
R12:	Extremely flammable
R14:	Reacts violently with water
R15:	Contact with water liberates extremely flammable gases
R16:	Explosive when mixed with oxidising substances
R17:	Spontaneously flammable in air
R18:	In use may form flammable/explosive vapour-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
- 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
- R35: Causes severe burns
- R36: Irritating to the eyes
- R37: Irritating to the respiratory system
- R38: Irritating to the skin
- R39: Danger of very serious irreversible effects
- R40: Possible risk of irreversible effects
- R41: Risk of serious damage to eyes
- R42: May cause sensitisation by inhalation
- R43: May cause sensitisation by skin contact
- R44: Risk of explosion if heated under confinement
- R45: May cause cancer

- R46: May cause heritable genetic damage
- 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
- 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: Vapours may cause drowsiness and dizziness
- R68: Possible risk of irreversible effects

## **Indication of safety precautions required**

- S1 Keep locked up
- S2 Keep out of the reach of children
- S3 Keep in a cool place
- S4 Keep away from living quarters
- S5 Keep contents under.....(appropriate liquid to be specified by the manufacturer.)
- S6 Keep under..... (Inert gas to be specified by the manufacturer.)
- S7 Keep container tightly closed
- S8 Keep container dry
- S9 Keep container in a well ventilated place
- S11 Do not keep the container sealed
- S13 Keep away from food, drink and animal feeding stuffs
- S14 Keep away from..... (incompatible materials to be specified by the manufacturer.)
- S15 Keep away from heat
- S16 Keep away from sources of ignition. - No Smoking
- S17 Keep away from combustible materials
- S18 Handle and open container with care
- S20 When using do not eat or drink
- S21 When using do not smoke
- S22 Do not breathe dust
- S23 Do not breathe vapour
- S24 Avoid contact with skin
- S25 Avoid contact with eyes
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S27 Take off immediately all contaminated clothing

- S28 After contact with skin, wash immediately with plenty of soapsuds
- S29 Do not empty into drain
- S30 Never add water to this product
- S33 Take precautionary measures against static discharge
- S35 This material and its container must be disposed of in a safe way
- S36 Wear suitable protective clothing
- S37 Wear suitable gloves
- S38 In case of insufficient ventilation, wear suitable respiratory equipment
- S39 Wear eye/face protection
- S40 To clean the floor and all objects contaminated by this material, use....(to be specified by the manufacturer.)
- S41 In case of fire and/or explosion do not breathe fumes
- S42 During fumigation/spraying wear suitable respiratory equipment
- S43 In case of fire, use..... (indicate in the space the precise type of fire-fighting equipment. If water increases risk add "Never use water")
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
- S46 If swallowed, seek medical advice immediately and show this container or label
- S47 Keep at temperature not exceeding.... °C (to be specified by the manufacturer.)
- S48 Keep wet with..... (appropriate material to be specified by the manufacturer.)
- S49 Keep only in the original container
- S50 Do not mix with..... (to be specified by the manufacturer.)
- S51 Use only in well ventilated areas
- S52 Not recommended for interior use on large surface areas

- S53 Avoid exposure - obtain special instructions before use
- S56 Dispose of this material and its container at hazardous or special waste collection point.
- S57 Use appropriate container to avoid environmental contamination
- S59 Refer to manufacture/supplier for information on recovery/recycling
- S60 This material and its container must be disposed of as hazardous waste
- S61 Avoid release to the environment. Refer to special instruction/safety data sheets
- S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### **Combination of safety precautions required**

- S1/2 Keep locked up and out of reach of children
- S3/7 Keep container tightly closed in a cool place
- S3/9/14 Keep a cool, well ventilated place away from....(incompatible materials to be specified by the manufacturer.)
- S3/9/14/49 Keep only in the original container in a cool, well ventilated place away from (incompatible materials to be specified by the manufacturer.)
- S3/9/49 Keep only in the original container in a cool, well ventilated place.
- S7/8 Keep container tightly closed and dry
- S7/9 Keep container tightly close and in a well ventilated place
- S20/21 When using do not eat, drink or smoke
- S24/25 Avoid contact with skin or eyes
- S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
- S36/37 Wear suitable protective clothing and gloves
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
- S36/39 Wear suitable protective clothing and eye/face protection
- S37/39 Wear suitable gloves and eye/face protection
- S47/49 Keep only in the original container at a temperature not exceeding ..... °C (to be specified by the manufacturer.)