

PhytoTechnology Laboratories

Risk & Safety Codes

INDICATION OF PARTICULAR RISKS

R:1	Explosive when dry
R:2	Risk of explosion by shock, friction, fire or other sources of ignition
R:3	Extreme risk of explosion by shock, friction, fire or other sources of ignition
R:4	Forms very sensitive explosive metallic compounds
R:5	Heating may cause an explosion
R:6	Explosive with or without contact with air
R:7	May cause fire
R:8	Contact with combustible material may cause fire
R:9	Explosive when mixed with combustible material
R:10	Flammable
R:11	Highly flammable
R:12	Extremely flammable
R:14	Reacts violently with water
R:15	Contact with water liberates extremely flammable gases
R:16	Explosive when mixed with oxidizing substances
R:17	Spontaneously flammable in air
R:18	In use, may form flammable/explosive vapor-air mixture
R:19	May form explosive peroxides
R:20	Harmful by inhalation
R:21	Harmful in contact with skin
R:22	Harmful if swallowed
R:23	Toxic by inhalation
R:24	Toxic in contact with skin
R:25	Toxic if swallowed
R:26	Very toxic by inhalation
R:27	Very toxic in contact with skin
R:28	Very toxic if swallowed
R:29	Contact with water liberates toxic gas
R:30	Can become highly flammable in use
R:31	Contact with acids liberates toxic gas
R:32	Contact with acids liberates very toxic gas
R:33	Danger of cumulative effects
R:34	Causes burns
R:35	Causes severe burns
R:36	Irritating to eyes
R:37	Irritating to respiratory system
R:38	Irritating to skin
R:39	Danger of very serious irreversible effects
R:40	Possible risk of irreversible effects
R:41	Risk of serious damage to eyes
R:42	May cause sensitization by inhalation
R:43	May cause sensitization by skin contact
R:44	Risk of explosion if heated under confinement
R:45	May cause cancer
R:46	May cause heritable genetic damage
R:48	Danger of serious damage to health by prolonged exposure
R:49	May cause cancer by inhalation
R:50	Very toxic to aquatic organisms
R:51	Toxic to aquatic organisms
R:52	Harmful to aquatic organisms
R:53	May cause long-term adverse effects in the aquatic environment
R:54	Toxic to flora
R:55	Toxic to fauna
R:56	Toxic to soil organisms

R:57	Toxic to bees
R:58	May cause long-term adverse effects in the environment
R:59	Dangerous for the ozone layer
R:60	May impair fertility
R:61	May cause harm to the unborn child
R:62	Possible risk of impaired fertility
R:63	Possible risk of harm to an unborn child
R:64	May cause harm to breast-fed babies
R:65	Harmful: may cause lung damage if swallowed
R:66	Repeated exposure may cause skin dryness or cracking
R:67	Vapors may cause drowsiness and dizziness

COMBINATION OF PARTICULAR RISKS

R:14/15	Reacts violently with water, liberating extremely flammable gasses
R:15/29	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
R:23/24	Toxic by inhalation and in contact with skin
R:23/24/25	Toxic by inhalation, in contact with skin, and if swallowed
R:23/25	Toxic by inhalation and if swallowed
R:24/25	Toxic in contact with skin and if swallowed
R:26/27	Very toxic by inhalation and in contact with skin
R:26/27/28	Very toxic by inhalation, in contact with skin and if swallowed
R:26/28	Very toxic by inhalation and if swallowed
R:27/28	Very toxic in contact with skin and if swallowed
R:36/37	Irritating to eyes and respiratory system
R:36/37/38	Irritating to eyes, respiratory system and skin
R:36/38	Irritating to eyes and skin
R:37/38	Irritating to respiratory system and skin
R:39/23	Toxic: danger of very serious irreversible effects through inhalation
R:39/23/24	Toxic: danger of very serious irreversible effects through inhalation and in contact with skin
R:39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R:39/23/25	Toxic: danger of very serious irreversible effects through inhalation and if swallowed
R:39/24	Toxic: danger of very serious irreversible effects through inhalation
R:39/24/25	Toxic: danger of very serious irreversible effects in contact with skin and if swallowed
R:39/25	Toxic: danger of very serious irreversible effects if swallowed
R:39/26	Very toxic: danger of very serious irreversible effects through inhalation
R:39/26/27	Very toxic: danger of very serious irreversible effects through inhalation and in contact with skin
R:39/26/27/28	Very toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed

PhytoTechnology Laboratories

Risk & Safety Codes

R:39/26/28	Very toxic: danger of very serious irreversible effects through inhalation and if swallowed	R:51/53	term adverse effects in the aquatic environment
R:39/27	Very toxic: danger of very serious irreversible effects in contact with skin	R:52/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R:39/27/28	Very toxic: danger of very serious irreversible effects in contact with skin and if swallowed		Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R:39/28	Very toxic: danger of very serious irreversible effects if swallowed		
R:40/20	Harmful: possible risk of irreversible effects through inhalation		
R:40/20/21	Harmful: possible risk of irreversible effects through inhalation and in contact with skin		
R:40/20/21/22	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed		
R:40/20/22	Harmful: possible risk of irreversible through inhalation and if swallowed		
R:40/21	Harmful: possible risk of irreversible effects in contact with skin		
R:40/21/22	Harmful: possible risk of irreversible effects in contact with skin and if swallowed		
R:40/22	Harmful: possible risk of irreversible effects if swallowed		
R:42/43	May cause sensitization by inhalation and skin contact		
R:48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation		
R:48/20/21	Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin		
R:48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed		
R:48/20/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed		
R:48/21	Harmful: danger of serious damage to health by prolonged exposure in contact with skin		
R:48/21/22	Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed		
R:48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed		
R:48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation		
R:48/23/24	Toxic: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin		
R:48/23/24/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed		
R:48/23/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed		
R:48/24	Toxic: danger of serious damage to health by prolonged exposure in contact with skin		
R:48/24/25	Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed		
R:48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed		
R:50/53	Very toxic to aquatic organisms, may cause long-		

INDICATION OF SAFETY PRECAUTIONS REQUIRED

S:1	Keep locked up
S:2	Keep out of the reach of children
S:3	Keep in a cool place
S:4	Keep away from living quarters
S:5	Keep contents under... (appropriate liquid to be specified by the manufacturer)
S:6	Keep under... (inert gas to be specified by the manufacturer)
S:7	Keep container tightly closed
S:8	Keep container dry
S:9	Keep container in a well ventilated place
S:12	Do not keep the container sealed
S:13	Keep away from food, drink and animal feeding stuffs
S:14	Keep away from... (incompatible materials to be indicated by the manufacturer)
S:15	Keep away from heat
S:16	Keep away from sources of ignition- No Smoking
S:17	Keep away from combustible material
S:18	Handle and open container with care
S:20	When using do not eat or drink
S:21	When using, do not smoke
S:22	Do not breathe dust
S:23	Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by manufacturer)
S:24	Avoid contact with skin
S:25	Avoid contact with eyes
S:26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S:27	Take off immediately all contaminated clothing
S:28	After contact with skin, wash immediately with plenty of... (to be specified by the manufacturer)
S:29	Do not empty into drains
S:30	Never add water to this product
S:33	Take precautionary measures against static discharges
S:35	This material and its container must be disposed of in a safe way.
S:36	Wear suitable protective clothing
S:37	Wear suitable gloves
S:38	In case of insufficient ventilation, wear suitable respiratory equipment
S:39	Wear eye/face protection
S:40	To clean the floor and all objects contaminated by this material use... (to be specified by the manufacturer)
S:41	In case of fire and/or explosion do not breathe fumes
S:42	During fumigation/spraying wear suitable respiratory equipment (appropriate wording to be specified)
S: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”)

PhytoTechnology Laboratories

Risk & Safety Codes

S:45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)	COMBINATION OF SAFETY PRECAUTIONS REQUIRED
S:46	If swallowed, seek medical advice immediately and show this container or label	S:1/2 Keep locked up and out of the reach of children
S:47	Keep at temperature not exceeding ___°C (to be specified by the manufacturer)	S:3/7 Keep container tightly closed in a cool place
S:48	Keep wetted with...(appropriate material to be specified by the manufacturer)	S:3/9 Keep in a cool, well ventilated place
S:49	Keep only in the original container	S:3/9/14 Keep in a cool, well-ventilated place away from... (incompatible materials to be indicated by the manufacturer)
S:50	Do not mix with...(to be specified by the manufacturer)	S:3/9/14/49 Keep only in the original container in a cool, well ventilated place away from...(incompatible materials to be indicated by the manufacturer)
S:51	Use only in well-ventilated areas	S:3/9/49 Keep only in the original container in a cool, well ventilated place
S:52	Not recommended for interior use on large surface areas	S:3/14 Keep in a cool place away from...(incompatible materials to be indicated by the manufacturer)
S:53	Avoid exposure – obtain special instructions before use	S:7/8 Keep container tightly closed and dry
S:56	Dispose of this material and its container to hazardous or special waste collection point	S:7/9 Keep container tightly closed and in a well-ventilated place
S:57	Use appropriate container to avoid environmental contamination	S:7/47 Keep container tightly closed and at a temperature not exceeding ___°C (to be specified by the manufacturer)
S:59	Refer to manufacturer/supplier for information on recovery/recycling	S:20/21 When using do not eat, drink or smoke
S:60	This material and/or its container must be disposed of as hazardous waste	S:24/25 Avoid contact with skin and eyes
S:61	Avoid release to the environment. Refer to special instructions/safety data sheet	S:27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of...(to be specified by the manufacturer)
S:62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label	S:29/35 Do not empty into drains; dispose of this material and its container in a safe way
S:63	In case of accident by inhalation: remove casualty to fresh air and keep at rest	S:29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
S:64	If swallowed, rinse mouth with water (only if person is conscious)	S:36/37 Wear suitable protective clothing and gloves
		S:36/37/39 Wear suitable protective clothing, gloves and eye/ face protection
		S:36/39 Wear suitable protective clothing and eye/face protection
		S:37/39 Wear suitable protective gloves and eye/face protection
		S:47/49 Keep only in the original container at a temperature not exceeding ___°C (to be specified by the manufacturer)