

List of Risk and Safety Phrases

Overview of Risk Phrases		Overview of Safety Phrases	
Code	Phrase	Code	Phrase
R1	Explosive when dry	S1	Keep locked up
R2	Risk of explosion by shock, friction, fire or other sources of ignition	S2	Keep out of the reach of children
R3	Extreme risk of explosion by shock, friction, fire or other sources of ignition	S3	Keep in a cool place
R4	Forms very sensitive explosive metallic compounds	S4	Keep away from living quarters
R5	Heating may cause an explosion	S5	Keep contents under ... (appropriate liquid to be specified by the manufacturer)
R6	Explosive with or without contact with air	S6	Keep under ... (inert gas to be specified by the manufacturer)
R7	May cause fire	S7	Keep container tightly closed
R8	Contact with combustible material may cause fire	S8	Keep container dry
R9	Explosive when mixed with combustible material	S9	Keep container in a well-ventilated place
R10	Flammable	S10	Keep contents wet
R11	Highly flammable	S11	not specified
R12	Extremely flammable	S12	Do not keep the container sealed
R14	Reacts violently with water	S13	Keep away from food, drink and animal foodstuffs
R15	Contact with water liberates extremely flammable gases	S14	Keep away from ... (incompatible materials to be indicated by the manufacturer)
R16	Explosive when mixed with oxidising substances	S15	Keep away from heat
R17	Spontaneously flammable in air	S16	Keep away from sources of ignition - No smoking
R18	In use, may form flammable/explosive vapour-air mixture	S17	Keep away from combustible material
R19	May form explosive peroxides	S18	Handle and open container with care
R20	Harmful by inhalation	S20	When using do not eat or drink
R21	Harmful in contact with skin	S21	When using do not smoke
R22	Harmful if swallowed	S22	Do not breathe dust
R23	Toxic by inhalation	S23	Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)
R24	Toxic in contact with skin	S24	Avoid contact with skin
R25	Toxic if swallowed	S25	Avoid contact with eyes
R26	Very toxic by inhalation	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
R27	Very toxic in contact with skin	S27	Take off immediately all contaminated clothing
R28	Very toxic if swallowed	S28	After contact with skin, wash immediately with plenty of ... (to be

			specified by the manufacturer)
R29	Contact with water liberates toxic gas.	S29	Do not empty into drains
R30	Can become highly flammable in use	S30	Never add water to this product
R31	Contact with acids liberates toxic gas	S33	Take precautionary measures against static discharges
R32	Contact with acids liberates very toxic gas	S35	This material and its container must be disposed of in a safe way
R33	Danger of cumulative effects	S36	Wear suitable protective clothing
R34	Causes burns	S37	Wear suitable gloves
R35	Causes severe burns	S38	In case of insufficient ventilation wear suitable respiratory equipment
R36	Irritating to eyes	S39	Wear eye/face protection
R37	Irritating to respiratory system	S40	To clean the floor and all objects contaminated by this material use ... (to be specified by the manufacturer)
R38	Irritating to skin	S41	In case of fire and/or explosion do not breathe fumes
R39	Danger of very serious irreversible effects	S42	During fumigation/spraying wear suitable respiratory equipment (appropriate wording to be specified by the manufacturer)
R40	Limited evidence of a carcinogenic effect	S43	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)
R41	Risk of serious damage to eyes	S45	In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
R42	May cause sensitisation by inhalation	S46	If swallowed, seek medical advice immediately and show this container or label
R43	May cause sensitisation by skin contact	S47	Keep at temperature not exceeding ... °C (to be specified by the manufacturer)
R44	Risk of explosion if heated under confinement	S48	Keep wet with ... (appropriate material to be specified by the manufacturer)
R45	May cause cancer	S49	Keep only in the original container
R46	May cause heritable genetic damage	S50	Do not mix with ... (to be specified by the manufacturer)
R48	Danger of serious damage to health by prolonged exposure	S51	Use only in well-ventilated areas
R49	May cause cancer by inhalation	S52	Not recommended for interior use on large surface areas
R50	Very toxic to aquatic organisms	S53	Avoid exposure - obtain special instructions before use
R51	Toxic to aquatic organisms	S56	Dispose of this material and its container at hazardous or special waste collection point
R52	Harmful to aquatic organisms	S57	Use appropriate containment to avoid environmental contamination
R53	May cause long-term adverse effects in the aquatic environment	S59	Refer to manufacturer/supplier for information on recovery/recycling
R54	Toxic to flora	S60	This material and its container must be disposed of as hazardous waste
R55	Toxic to fauna	S61	Avoid release to the environment. Refer to special instructions/safety data sheet

R56	Toxic to soil organisms	S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible
R57	Toxic to bees	S63	In case of accident by inhalation: remove casualty to fresh air and keep at rest
R58	May cause long-term adverse effects in the environment	S64	If swallowed, rinse mouth with water (only if the person is conscious)
R59	Dangerous for the ozone layer	(S1/2)	Keep locked up and out of the reach of children
R60	May impair fertility	S3/7	Keep container tightly closed in a cool place
R61	May cause harm to the unborn child	S3/7/9	Keep container tightly closed in a cool, well-ventilated place
R62	Possible risk of impaired fertility	S3/9/14	Keep in a cool, well-ventilated place away from ... (incompatible materials to be indicated by the manufacturer)
R63	Possible risk of harm to the unborn child	S3/9/14/49	Keep only in the original container in a cool, well-ventilated place away from ... (incompatible materials to be indicated by the manufacturer)
R64	May cause harm to breast-fed babies	S3/9/49	Keep only in the original container in a cool, well-ventilated place
R65	Harmful: may cause lung damage if swallowed	S3/14	Keep in a cool place away from ... (incompatible materials to be indicated by the manufacturer)
R66	Repeated exposure may cause skin dryness or cracking	S7/8	Keep container tightly closed and dry
R67	Vapours may cause drowsiness and dizziness	S7/9	Keep container tightly closed and in a well-ventilated place
R68	Possible risk of irreversible effects	S7/47	Keep container tightly closed and at temperature not exceeding ... °C (to be specified by the manufacturer)
		S8/10	Keep container wet, but keep the contents dry
		S20/21	When using do not eat, drink or smoke
		S24/25	Avoid contact with skin and eyes
		S27/28	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of ... (to be specified by the manufacturer)
		S29/35	Do not empty into drains; dispose of this material and its container in a safe way
		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 temperature not exceeding ... °C (to be specified by the manufacturer)

Source: Official Journal of the European Communities, 21.8.2001: COMMISSION DIRECTIVE 2001/59/EC