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Chemicals and Materials

Safety Phrases Used in the Countries of European Union

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What are safety or S-phrases?

The following safety phrases (or S-phrases) and the corresponding number codes are used in countries of the European Union (EU). These phrases or combination of phrases describe the safety precautions to take when handling a chemical product. After a chemical is classified according to its risk, the appropriate safety phrase is provided on the container label, along with other information required by the EU. More than one phrase may be required.

These phrases will no longer be in use as the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) is phased in. Currently in the EU, GHS guidelines should be used for pure substances, with the requirements for mixtures coming into effect by June 1, 2015. This summary is being kept because you may receive Material Safety Data Sheets (MSDSs) or Safety Data Sheets (SDSs) with R and S (safety) phrases, depending on the product. In addition, older MSDSs/SDSs may still be kept or used within workplaces.

Phrases are revised according to 2001/59/EC - Effective Date August 6, 2001

- [S1 to S10](#)
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Code	Phrase
S1	Keep locked up
S2	Keep out of 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
S12	Do not keep the container sealed
S13	Keep away from food, drink and animal feeding stuffs
S14	Keep away from....(incompatible materials to be indicated by the manufacturer)
S15	Keep away from heat
S16	Keep away from sources of ignition - No smoking
S17	Keep away from combustible material
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 gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)
S24	Avoid contact with the skin
S25	Avoid contact with the 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....(to be specified by the manufacturer)
S29	Do not empty into drains
S30	Never add water to this product
S33	Take precautionary measures against static discharges

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 (appropriate wording to be specified)
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)
S45	In case of accident or if you feel unwell, seek medical advice immediately (show 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 instruction before use
S56	Dispose of this material and its container to hazardous or special waste collection point
S57	Use appropriate containment to avoid environmental contamination
S59	Refer to manufacturer/supplier for information on recovery/recycling
S60	This material and/or its container must be disposed of as hazardous waste
S61	Avoid release to the environment. Refer to special instructions/safety data sheet
S62	If swallowed, do not induce vomiting seek medical advice immediately and show this container or label
S63	In case of accident by inhalation, remove casualty to fresh air and keep at rest
S64	If swallowed, rinse mouth with water (only if person is conscious)

Combination of safety precautions

Code	Phrase
S1/2	Keep locked up and out of the reach of children
S3/9/14	Keep in a cool well-ventilated place away from....(incompatible materials to be indicated by manufacturer)
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)
S3/9/49	Keep only in the original container in a cool well-ventilated place
S3/14	Keep in a cool place away from....(incompatible materials to be indicated by the manufacturer)
S3/7	Keep container tightly closed in a cool place
S7/8	Keep container tightly closed and dry
S7/9	Keep container tightly closed and in a well-ventilated place
S7/47	Keep container tightly closed and at a temperature not exceeding....°C (to be specified by manufacturer)
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 to 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 manufacturer)

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