

Safety: Hazard and precaution statements

H: Hazard statements

Hazard statements for physical hazards

H200	Unstable explosives.
H201	Explosive; mass explosion hazard.
H202	Explosive, severe projection hazard.
H203	Explosive; fire, blast or projection hazard.
H204	Fire or projection hazard.
H205	May mass explode in fire.
H220	Extremely flammable gas.
H221	Flammable gas.
H222	Extremely flammable aerosol.
H223	Flammable aerosol.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H227	Combustible liquid.
H228	Flammable solid.
H240	Heating may cause an explosion.
H241	Heating may cause a fire or explosion.
H242	Heating may cause a fire.
H250	Catches fire spontaneously if exposed to air.
H251	Self-heating; may catch fire.
H252	Self-heating in large quantities; may catch fire.
H260	In contact with water releases flammable gases which may ignite spontaneously.
H261	In contact with water releases flammable gases.
H270	May cause or intensify fire; oxidiser.
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H280	Contains gas under pressure; may explode if heated.
H281	Contains refrigerated gas; may cause cryogenic burns or injury.
H290	May be corrosive to metals.

Hazard statements for health hazards

H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H305	May be harmful if swallowed and enters airways.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H333	May be harmful if inhaled.

Hazard statements for health hazards (continue)

H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H350i	May cause cancer by inhalation.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H360D	May damage the unborn child.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H360F	May damage fertility.
H360FD	May damage fertility. May damage the unborn child.
H360Fd	May damage fertility. Suspected of damaging the unborn child.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H362	May cause harm to breast-fed children.
H370	Causes damage to organs.
H371	May cause damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.

Hazard statements for environmental hazards

H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

P: Precautionary statements

Precautionary statements – General

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

Precautionary statements – Prevention

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P210a	Keep away from heat. - No smoking.
P210b	Keep away from sparks. - No smoking.
P210c	Keep away from open flames. - No smoking.

Safety: Hazard and precaution statements

Precautionary statements – Prevention (continue)

P210d	Keep <i>away</i> from hot surfaces. - No smoking.
P211	Do not spray on an open flame or other ignition source.
P220	Keep/Store <i>away</i> from clothing/combustible materials.
P220a	Keep <i>away</i> from clothing.
P220b	Keep <i>away</i> from combustible materials.
P220c	Keep <i>away</i> from reducing agents, heavy metal compounds, acids and alkalis.
P220d	Keep <i>away</i> from oxidising and acidic substances, as well as heavy metal compounds.
P220e	Keep <i>away</i> from iron.
P220f	Keep <i>away</i> from water.
P220g	Keep <i>away</i> from acids.
P220h	Keep <i>away</i> from alkaline solutions.
P220i	Keep <i>away</i> from metals.
P220j	Keep <i>away</i> from oxidising agents and acidic substances.
P220k	Keep <i>away</i> from flammable organic substances.
P220l	Keep <i>away</i> from acids, reducing agents and flammable materials.
P221	Take any precaution to avoid mixing with combustibles.
P222	Do not allow contact with air.
P223	Keep <i>away</i> from any possible contact with water, because of violent reaction and possible flash fire.
P230	Keep wetted with...
P230a	Keep wetted.
P231	Handle under inert gas.
P232	Protect from moisture.
P233	Keep container tightly closed.
P234	Keep only in original container.
P235	Keep cool.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P244	Keep reduction valves free from grease and oil.
P250	Do not subject to grinding/shock/friction.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P263	Avoid contact during pregnancy/while nursing.
P264	Wash thoroughly after handling.
P270	Do no eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P280a	Wear protective gloves and eye/face protection.
P280b	Wear protective gloves and eye protection.
P280c	Wear protective gloves and face protection.
P280d	Wear protective clothing and eye protection.
P280e	Wear protective clothing and face protection.
P280f	Wear protective clothing.
P280g	Wear protective gloves.

Precautionary statements – Prevention (continue)

P280h	Wear protective gloves/clothing.
P280i	Wear eye/face protection.
P280j	Wear face protection.
P281	Use personal protective equipment as required.
P282	Wear cold insulating gloves/face shield/eye protection.
P283	Wear fire/flame resistant/retardant clothing.
P284	Wear respiratory protection.
P285	In case of inadequate ventilation wear respiratory protection.
P231+P232	Handle under inert gas. Protect from moisture.
P235+P410	Keep cool. Protect from sunlight.

Precautionary statements – Response

P301	IF SWALLOWED:
P302	IF ON SKIN:
P303	IF ON SKIN (or hair):
P304	IF INHALED:
P305	IF IN EYES:
P306	IF ON CLOTHING:
P307	IF exposed:
P308	IF exposed or concerned:
P309	IF exposed or if you feel unwell:
P310	Immediately call a POISON CENTER or doctor/physician.
P311	Call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P313	Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P315	Get immediate medical advice/attention.
P320	Specific treatment is urgent (see on this label).
P321	Specific treatment (see on this label).
P322	Specific measures (see on this label).
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P332	If skin irritation occurs:
P333	If skin irritation or rash occurs:
P334	Immerse in cool water/wrap in wet bandages.
P335	Brush off loose particles from skin.
P336	Thaw frosted parts with lukewarm water. Do not rub affected area.
P337	If eye irritation persists:
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P340	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P341	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342	If experiencing respiratory symptoms:
P350	Gently wash with plenty of soap and water.
P351	Rinse cautiously with water for several minutes.
P352	Wash with plenty of soap and water.
P353	Rinse skin with water/shower.
P360	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P361	Remove/Take off immediately all contaminated clothing.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.

Safety: Hazard and precaution statements

Precautionary statements – Response (continue)

P370	In case of fire:
P371	In case of major fire and large quantities:
P372	Explosion risk in case of fire.
P373	DO NOT fight fire when fire reaches explosives.
P374	Fight fire with normal precautions from a reasonable distance.
P375	Fight fire remotely due to the risk of explosion.
P376	Stop leak if safe to do so.
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P378	Use ... for extinction.
P378a	Use for extinction: CO ₂ , powder or water spray.
P378b	Use for extinction: Special powder for metal fires.
P378c	Use for extinction: CO ₂ , sand, extinguishing powder.
P378d	Use for extinction: Water.
P378e	Use for extinction: Water haze.
P378f	Use for extinction: Water spray.
P378g	Use for extinction: Foam.
P378h	Use for extinction: Alcohol resistant foam.
P378i	Use for extinction: Fire-extinguishing powder.
P378j	Use for extinction: BC powder.
P378k	Use for extinction: ABC powder.
P378l	Use for extinction: Carbon dioxide.
P378m	Use for extinction: Limestone powder.
P378n	Use for extinction: Cement.
P378o	Use for extinction: Sand.
P378p	Use for extinction: Dry sand.
P380	Evacuate area.
P381	Eliminate all ignition sources if safe to do so.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330 +P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302+P334	IF ON SKIN: Immerse in cool water/wrap in wet bandages.
P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361 +P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P306+P360	IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P307+P311	IF exposed: Call a POISON CENTER or doctor/physician.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P309+P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

Precautionary statements – Response (continue)

P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P335+P334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
P337+P313	If eye irritation persists: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P370+P376	In case of fire: Stop leak if safe to do so.
P370+P378	In case of fire: Use ... for extinction.
P370+P378a	In case of fire: Use for extinction: CO ₂ , powder or water spray.
P370+P378b	In case of fire: Use for extinction: Special powder for metal fires.
P370+P378c	In case of fire: Use for extinction: CO ₂ , sand, extinguishing powder.
P370+P378d	In case of fire: Use for extinction: Water.
P370+P378e	In case of fire: Use for extinction: Water haze.
P370+P378f	In case of fire: Use for extinction: Water spray.
P370+P378g	In case of fire: Use for extinction: Foam.
P370+P378h	In case of fire: Use for extinction: Alcohol resistant foam.
P370+P378i	In case of fire: Use for extinction: Fire-extinguishing powder.
P370+P378j	In case of fire: Use for extinction: BC powder.
P370+P378k	In case of fire: Use for extinction: ABC powder.
P370+P378l	In case of fire: Use for extinction: Carbon dioxide.
P370+P378m	In case of fire: Use for extinction: Limestone powder.
P370+P378n	In case of fire: Use for extinction: Cement.
P370+P378o	In case of fire: Use for extinction: Sand.
P370+P378p	In case of fire: Use for extinction: Dry sand.
P370+P380	In case of fire: Evacuate area.
P370+P380 +P375	In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
P371+P380 +P375	In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Precautionary statements – Storage

P401	Store...
P401a	Store in accordance with local/regional/national/international regulations.
P402	Store in a dry place.
P403	Store in a well-ventilated place.
P404	Store in a closed container.
P405	Store locked up.
P406	Store in corrosive resistant container with a resistant inner liner.
P407	Maintain air gap between stacks/pallets.
P410	Protect from sunlight.
P411	Store at temperatures not exceeding ...°C/...°F.
P411a	Store at temperatures not exceeding ...°C.
P411b	Store at temperatures not exceeding ...°F.
P412	Do not expose to temperatures exceeding 50°C/122°F.
P413	Store bulk masses greater than ... kg/... lbs at temperatures not exceeding ...°C/...°F.
P413a	Store bulk masses greater than ... kg at temperatures not exceeding ...°C.
P413b	Store bulk masses greater than ... lbs at temperatures not exceeding ...°F.
P420	Store away from other materials.
P420a	Store away from foodstuffs.

Safety: Hazard and precaution statements

Precautionary statements – Storage (continue)

P420b	Store away from flammable substances.
P420c	Store away from oxidizing agents.
P420d	Store away from reducing agents.
P420e	Store away from water.
P420f	Store away from metals.
P420g	Store away from acids.
P420h	Store away from caustic solutions.
P422	Store contents under...
P422a	Store contents under inert gas.
P422b	Store contents under protective gas.
P422c	Store contents under solvent.
P422d	Store under water.
P422e	Store in petroleum.
P422f	Store in nitrogen.
P402+P404	Store in a dry place. Store in a closed container.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P411+P235	Store at temperatures not exceeding ...°C/...°F. Keep cool.
P411a+P235	Store at temperatures not exceeding ...°C. Keep cool.
P411b+P235	Store at temperatures not exceeding ...°F. Keep cool.

Precautionary statements – Disposal

P501	Dispose of contents/container to...
P501a	Dispose of contents/container in accordance with local/regional/national/international regulations.