

Gemstones	Ionic Safe	Treatments / Benefits	Care Instructions
Abalone gemstone	Yes	None	Avoid chemicals, stem/heat, ultrasonic, sudden temperature changes
Agate gemstone (see Chalcedony)	Yes	Heated, dyed to enhance bands in layers	Normal care
Alexandrite gemstone	Yes	None	Normal care
Almandite gemstone (Garnet)	Yes	None	Normal care but avoid sudden temperature changes
Amazonite gemstone	No	Heated, Irradiated, Impregnated with a colorless wax or oil, plastic and hardened agents to improve appearance	Avoid chemicals, steam and ultrasonic cleaning
Amber gemstone	Yes	Occasionally heat- treated, dyed or surface treated to deepen color	Avoid chemicals, steam and ultrasonic cleaning
Amethyst gemstone (Quartz)	Yes	Occasionally heat- treated to improve color	Normal care
Ametrine gemstone (Quartz)	Yes	None	Normal care
Ammolite gemstone	No	Impregnated	Avoid heat, household chemicals and ultrasonic
Andalusite gemstone	Yes	Rarely heat-treated to improve color	Normal care
Apatite gemstone	Yes	None	Avoid chemicals, steam and ultrasonic cleaning
Aquamarine gemstone (Beryl)	Yes	Usually heat-treated to improve color	Normal care
Aventurine gemstone (Quartz)	Yes	None	Normal care
Azurite gemstone	Yes	Rarely filled with epoxy or resin for smoother surface	Avoid chemicals, steam and ultrasonic cleaning
Azurmalachite gemstone	Yes	Rarely filled with epoxy or resin for smoother surface	Avoid chemicals, steam and ultrasonic cleaning
Beryl gemstone(also listed by type)	Yes	Occasionally heat treated, irradiated	Avoid chemicals, stem/heat, ultrasonic, sudden temperature changes
Bloodstone (Chalcedony)	Yes	None	Avoid chemicals, steam and ultrasonic cleaning
Blue Topaz gemstone	Yes	Usually irradiated and heated to produce blue color	Normal care but avoid sudden temperature changes, ultrasonic cleaning and steamer
Calcite gemstone	Yes	Dyed, Impregnated with colorless plastic to improve appearance	Avoid chemicals, stem/heat, ultrasonic, sudden temperature changes
Canary Aqua™ gemstone	Yes	Commonly heated for color enhancement	Normal care but avoid excessive heat.
Carnelian (Chalcedony) gemstone	Yes	Dyed, heated	Normal care, certain stones may

			fade in heat or light.
Cat's Eye gemstone	Yes	None	Normal care
Chalcedony (Quartz) gemstone	Yes	Usually dyed or heat-treated to produce different colors	Normal care
Chrome Diopside gemstone	Yes	None	Avoid chemicals and sudden temperature changes, avoid ultrasonic cleaning and steamer
Chrysoprase (Chalcedony) gemstone	Yes	None	Avoid chemicals, steam and ultrasonic cleaning
Chrysocolla gemstone	Yes	Impregnated	Avoid chemicals, steam and ultrasonic cleaning
Citrine gemstone (Quartz)	Yes	Usually heat-treated or irradiated to improve color	Normal care
Coral gemstone	No	Usually dyed or bleached to improve color	Avoid chemicals, steam and ultrasonic cleaning
Demantoid gemstone (Garnet)	Yes	None	Normal care but avoid sudden temperature changes
Diamond gemstone - clear	Yes	None	Normal care
Diamond gemstone - colored	Yes	Usually heat-treated or irradiated for color	Normal care
Drusy Quartz gemstone	Yes	coated and or dyed	Avoid heat, temperature changes, steaming, chemicals, ultrasonic cleaners & repolishing
Emerald gemstone (Beryl)	Yes	Usually oiled to improve color	Avoid chemicals, steam and ultrasonic cleaning
Fluorite gemstone	Yes	Usually heat treated or irradiated to improve color	Avoid chemicals, steam and ultrasonic cleaning
Garnet gemstone (also listed by type)	Yes	None	Normal care but avoid sudden temperature changes
Gaspeite gemstone	Yes	Occasionally stabilized with plastic	Normal care
Goshenite gemstone	Yes	None	Normal care but avoid sudden temperature changes
Grossularite gemstone (Garnet)	Yes	None	Normal care but avoid sudden temperature changes
Heliodor gemstone	Yes	Irradiated for color enhancement	Normal care
Hematite gemstone	No	None	Normal care but avoid sudden temperature changes
Hessonite gemstone (Garnet)	No	None	Normal care but avoid sudden temperature changes
Hiddenite gemstone (Spodumene)	Yes	Irradiated	Normal care, Certain stones may fade in heat or light.
Howlite gemstone	Yes	Occasionally dyed to improve color and to emulate turquoise & other stones	Avoid steam and ultrasonic cleaning

Indicolite gemstone (Tourmaline)	Yes	Commonly heat-treated to improve color	Normal care but avoid sudden temperature changes
Indicolite gemstone (Tourmaline)	Yes	Heated, Irradiated	Normal care
Iolite gemstone	Yes	None	Normal care but avoid sudden temperature changes
Ivory & Bone	No	Bleached, dyed, Impregnated	Avoid chemicals and ultrasonic, may discolor in time
Jade gemstone	Yes	Commonly dyed, heated, occasionally filled with wax for appearance	Normal care
Jasper (Chalcedony) gemstone	Yes	Occasionally dyed to enhance color	Normal care
Jet gemstone	Yes	None	Avoid steam and ultrasonic cleaning
Kornerupine gemstone	Yes	None	Normal care but avoid rough handling and sudden temperature changes, ultrasonic cleaning and steamer
Kunzite gemstone (Spodumene)	Yes	Usually irradiated to enhance color	Avoid sudden temperature changes, rough handling and exposure to strong light
Kyanite gemstone	Yes	occasionally heated to improve color	Avoid rough handling, steam and ultrasonic cleaning
Labradorite gemstone	Yes	None	Avoid rough handling, steam and ultrasonic cleaning
Lapis Lazuli gemstone	Yes	Commonly dyed and paraffin-coated for color and shine	Avoid chemicals, steam and ultrasonic cleaning
Lepidolite gemstone	Yes	None	Normal care
Malachite gemstone	Yes	wax or epoxy occasionally added to improve durability and appearance and to smooth surface	Avoid chemicals, steam and ultrasonic cleaning
Mammoth (Ivory)	No	Bleached, dyed, Impregnated	Avoid chemicals and ultrasonic, may discolor in time
Marcasite gemstone	No	None	Avoid chemicals, steam/heat, ultrasonic, sudden temperature changes
Mariposite gemstone	Yes	None	Normal care
Moldavite gemstone	Yes	None	Normal care but avoid sudden temperature changes
Moonstone gemstone	Yes	None	Normal care
Morganite gemstone (Beryl)	Yes	Commonly heat-treated to enhance color	Normal care
Mother of Pearl gemstone	Yes	Commonly bleached, dyed, irradiated, coated to produce colors	Avoid chemicals, steam and ultrasonic cleaning
Muscovite gemstone	Yes	None	Normal care

Mystic Topaz gemstone	Yes	The top is coated to enhance the color	Normal care but avoid abrasives and harsh chemicals. These stones should not be recut.
Obsidian gemstone	Yes	None	Avoid chemicals, steam and ultrasonic cleaning
Onyx gemstone (Chalcedony)	Yes	Commonly dyed	Normal care
Opal gemstone	Yes	To enhance appearance and durability, wax, oil or plastic may be added	Avoid chemicals, steam and ultrasonic cleaning
Pearl gemstone, SET IN A RING SAFE ON STRING, MAY DYE STRING	Yes No	Commonly bleached, dyed, irradiated and coated to improve appearance	Avoid chemicals (including hairspray and cosmetics), steam and ultrasonic cleaning
Peridot gemstone	Yes	oil, wax and resins into voids, colorless hardened substance to improve appearance	Avoid chemicals, steam and ultrasonic cleaning, sudden temperature changes
Petalite gemstone	Yes	None	Avoid rough handling, ultrasonic cleaning
Petrified Wood gemstone (see Chalcedony)	Yes	None	Normal care
Pietersite gemstone	Yes	None	Normal care
Prasiolite gemstone (praziolite) (Quartz)	Yes	Usually heated	Avoid chemicals, steam and ultrasonic cleaning
Prehnite gemstone	Yes	Occasionally impregnated	Avoid chemicals, steam and ultrasonic cleaning
Pyrope gemstone (Garnet)	Yes	None	Normal care but avoid sudden temperature changes
Quartz gemstone (also listed by type)	Yes	Usually dyed, heat-treated to produce different colors. Surface enhanced - top is coated to enhance the color.	Normal care but avoid abrasives, harsh chemicals, steam and ultrasonic cleaning. Surface enhanced-These stones should not be recut.
Quartzite gemstone	Yes	Impregnated with colorless plastic	Normal care
Rainbow Calcilica gemstone	Yes	stabilized compressed - calcilica that is compressed together with a binding agent under extreme pressure and heat	Avoid chemicals, steam and ultrasonic cleaning
Rhodochrosite gemstone	Yes	None	Avoid chemicals, rough handling, and excessive heat.
Rhodolite gemstone (Garnet)	Yes	None	Normal care but avoid sudden temperature changes
Rhodonite gemstone	Yes	None	Normal care
Rock Crystal (Quartz)	Yes	Usually heated	Normal care
Rosenite™ gemstone (Garnet)	Yes	None	Normal care but avoid sudden temperature changes
Rubellite gemstone (Tourmaline)	Yes	Commonly heat-treated or irradiated to enhance color	Normal care but avoid sudden temperature changes

Ruby gemstone	Yes	heated or irradiated to improve color, occasionally glass-filled to enhance clarity	Avoid cleaning solutions, ultrasonic cleaning, heat and repairs; they can cause damage, as this treatment is not considered permanent or stable
Rutilated Quartz gemstone	Yes	None (included with "needle like" rutile)	Normal care but avoid heat, temperature changes, steaming, chemicals and ultrasonic cleaning
Sardonyx gemstone (Chalcedony)	Yes	Usually dyed	Avoid chemicals, steam/heat, ultrasonic, sudden temperature changes
Sapphire gemstone	Yes	Usually heat-treated to enhance color, occasionally glass-filled to enhance clarity	Avoid cleaning solutions, ultrasonic cleaning, heat and repairs; they can cause damage, as this treatment is not considered permanent or stable
Sard gemstone	Yes	Dyed, heated	Normal care, Certain stones may fade in heat or light.
Scapolite gemstone	Yes	Commonly irradiated for color enhancement	Avoid steam and ultrasonic cleaning, avoid exposure to strong light
Serpentine gemstone	Yes	Commonly dyed or waxed to improve appearance or alter colors	Avoid steam and ultrasonic cleaning
Shell gemstone	Yes	Commonly dyed to produce colors	Avoid chemicals, steam and ultrasonic cleaning
Smokey Quartz gemstone	Yes	Occasionally heat-treated or irradiated to improve color	Normal care but avoid heat, temperature changes, steaming, chemicals and ultrasonic cleaning
Sodalite gemstone	Yes	None	Avoid chemicals, steam and ultrasonic cleaning
Spessartite gemstone (Garnet)	Yes	None	Normal care but avoid sudden temperature changes
Sphene gemstone	Yes	None	Avoid chemicals, sudden temperature changes, and rough handling
Spinel gemstone	Yes	None	Normal care
Sugilite gemstone	Yes	None	Avoid steam and ultrasonic cleaning
Sunstone gemstone	Yes	None	Avoid chemicals, steam and ultrasonic cleaning
Tanzanite gemstone	Yes	Zoisite is routinely heat-treated to produce Tanzanite's signature violet-blue color	Avoid steam, ultrasonic cleaning and sudden temperature changes
Tiger Iron gemstone	Yes	None	Normal care
Tiger's Eye gemstone (Quartz)	Yes	Commonly heat-treated, dyed or bleached to enhance color	Avoid sudden temperatures changes and strong chemicals

Topaz gemstone (other than blue)	Yes	Usually heat-treated to produce different colors. Surface enhanced - top is coated to enhance the color.	Normal care but avoid abrasives, harsh chemicals, sudden temperature changes, steam and ultrasonic cleaning. Surface enhanced-These stones should not be recut.
Tourmaline gemstone	Yes	Green and blue commonly heat-treated to enhance color. Yellow and red irradiated	Normal care but avoid sudden temperature changes, ultrasonic cleaning and steamer
Tourmalinated gemstone (Quartz)	Yes	None (Included with needles of black tourmaline)	Avoid chemicals, steam and ultrasonic cleaning
Tsvorite gemstone (Garnet)	Yes	None	Normal care but avoid sudden temperature changes
Turquoise gemstone	Yes	Commonly stabilized - infused with plastic to enhance durability and color stabilized compressed - turquoise nuggets that are compressed together with a binding agent under extreme pressure and heat.	Avoid chemicals, steam and ultrasonic cleaning. Perspiration and cosmetics may alter color.
Unakite gemstone	Yes	None	Avoid chemicals, steam and ultrasonic cleaning
Variscite gemstone	Yes	None	Avoid chemicals, steam and ultrasonic cleaning
Verdelite gemstone (Tourmaline)	Yes	Commonly heat-treated to enhance color	Normal care but avoid sudden temperature changes, ultrasonic cleaning and steamer
White Aqua™ gemstone (Beryl)	Yes	None	Normal care
Yellow Beryl gemstone (Heliodor)	Yes	Commonly heated for color enhancement	Normal care but avoid sudden temperature changes, ultrasonic cleaning and steamer
Zircon gemstone	Yes	Routinely heat-treated to create blue color	Avoid abrasives, rough wear and exposure to strong light.