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MOLDGEL® SILFREE

MOLD MAKING COMPOUND

SILCA FREE – NON-TOXIC – SAFE FOR BODY CONTACT

DESCRIPTION: MoldGel® SILFREE is a patent pending, dry hydrocolloid and cellulose powder (both of which are extracted from vegetable material) that when mixed in a ratio of approximately two-parts warm water to one-part SILFREE by volume ratio (32-ounces / 905 grams +/- of water to 16-ounces / 452 grams +/- of MoldGel SILFREE by weight) creates a creamy hypoallergenic mold making material that sets to a firm rubber-like consistency in about 5-minutes. These mix ratios yield creamy mixes about the consistency of thick yogurt to thin peanut butter with a working time of up to 5-minutes. Allowing for a mix time of one minute, this provides an application time of about 4-minutes. Demolding can be accomplished; being careful; 2 to 3 minutes after the mix can no longer be worked. For making body casts, since you will need to apply a mother mold of plaster bandages or cheese cloth soaked in plaster to support the MoldGel SILFREE mold, there will be more than sufficient time for the MoldGel SILFREE to have set when the support mold is ready to demold.

FEATURES:

- Ultra Safe – silica-free formula
- Forensic reproduction of the finest detail
- Non-toxic and safest for life casting
- 2-to-1 water to powder mix ratio
- Gradual setting time
- Early strength for quick demolds
- Creamy smooth mix for lump free surface molds
- Easy to mix / easy to apply / easy to demold

WATER: CAUTION. Hard water, that is water containing excessive minerals, will likely create an unacceptable non-standard mix. Symptoms include failure to mix smoothly and/or delayed set or even failure to set. Always test a sample from each batch prior to use. Water quality varies from location and from time of the year and well water is often more apt to be excessively hard. Use bottled or de-ionized water if you find that mixing doesn't quickly create a creamy consistency or if set times vary more than a minute from the five minute standard...

MODEL PREPARATION: MoldGel SILFREE can be applied to most surfaces with little preparation since MoldGel will not stick to most surfaces including itself. A small test cure should always be done prior to application to be sure the MoldGel releases cleanly. A release is not needed on shaved skin or hair-free skin. A thin coat of petroleum jelly or ArtMolds' Water Soluble Release MoldeZ™, should be applied to all skin surfaces with excessive hair to prevent tearing when removed. A thicker coat needs to be applied to head and pubic hair to prevent the hair from ripping the MoldGel when it is demolded. Use petroleum jelly on eyebrows and eyelids as MoldeZ might cause a little eye stinging.

MIXING AND CURING: Weigh or measure proper amounts of MoldGel powder and warm water 80° F (27°C). Cold water will delay set time and hotter water will speed set time. Mix together rapidly, but avoid whipping in air. A JiffyMixer® on a variable speed drill is recommended. Thicken with more powder, thin with more water. Apply to surface with a flowing motion pushing air out ahead of material. Thicker mixes speed cure time and thinner mixes slow cure time.

MoldGel will not bond to itself unless the previous coat has not completely gelled. Thus, a large mold requiring more than one batch of MoldGel mix should be mixed within in the setting time of the previous batch. If this is not possible then coating the dried MoldGel with AlgiSlo™ will aid in the bonding of the fresh mix to the gelled mix. As soon as the last coat of MoldGel is firm, apply the mother mold. When the mother mold has set, remove the MoldGel and for best dimensional stability, immediately make a positive casting.

USING THE MOLD: Plaster or waxes below 212°F (100°C) may be poured in MoldGel SILFREE molds. Castings should be made in the freshest possible mold for best results because as the MoldGel continues to dry it will shrink, distort and lose detail. Your mold may be kept usable in plastic bags or sealed in an airtight container up to a few days or frozen indefinitely. Molds should then be discarded. Not applicable for resin casting unless it is a fast set resin such as KastEZ which has been formulated for use with alginate-based mold making compounds.

SAFETY AND CLEANUP: MoldGel SILFREE powder may cause dust when being handled. Always wear a dust mask and avoid eye contact when mixing. MoldGel SILFREE is not for human consumption. Skin contact should be kept as short as possible. Hair must be slicked down with mold release such as MoldeZ. Keep your containers of MoldGel SILFREE tightly closed as atmospheric moisture may cause lumping and deterioration of the product. Use AlgiSlo to soften MoldGel SILFREE to clean up surface spills of dried MoldGel SILFREE. Apply the AlgiSlo and allow several minutes for it to penetrate the surface. Wipe or brush clean. Test a small amount on the back of your model's wrist to assure no adverse reaction. Allow it to set and check the skin after removal. Though unusual, if the skin has reddened discontinue use on that person.

DISCLAIMER: The information provided by ArtMolds is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data, the results to be obtained by the use thereof, or that any such use will not infringe any patent. The user assumes all risk and liability whatsoever in connection therewith. Please see MoldGel SILFREE MSDS1 sheet for more information.

KEEP OUT OF REACH OF CHILDREN

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January 29, 2007