The Monster Makers, Inc. Technical Data Sheet

MONSTER CLAY®

PREMIUM GRADE MODELING CLAY

DESCRIPTION: Monster Clay® **Premium Grade** Modeling Clay is a re-useable sulfur free, professional oil based sculpting medium. Composed entirely of **non-toxic, food grade components**, Monster Clay® has an ultra smooth formulation that features a low melt temperature and a low tack feel that will not stick to tools or fingers, Each five pound quantity of Monster Clay® Premium is individually packaged in a convenient, reusable ovenable container.

PRODUCT FEATURES

Low Density - Monster Clay® has a lower density than the average oil based clay. Each block of clay contains approximately 25% more material per pound than comparable products, making it one of the most cost effective choices in reusable clays.

High Elasticity - Another unique quality of Monster Clay®, is its high elasticity. This gives the clay an unusual ability to stretch like taffy when warmed and allows for the creation of unusual shapes that would otherwise be difficult to accomplish.

Smooth Composition - Monster Clay® is a smooth body clay that can be easily worked when softened with mild heat. For surface smoothing, compatible solvents include 99% alcohol, Citrus Solve and Mineral Spirits which can be used to soften details and dissolve the clay surface.

Sulfur Free - Monster Clay® is sulfur free and is therefore compatible with platinum based silicone compounds.

Firm at average room temperature - Monster Clay® remains firm at average room temperature to allow for precise detail ing with fine sculpting tools.

Non-Polymerizing/Non-Oxidizing Formula – Unlike many oil based clays, Monster Clay'® will not become brittle, dry out or lose plasticity over time. Monster Clay® is formulated to retain its original composition indefinitely.

Melts easily to a pourable consistency – Monster Clay® can easily be melted and poured into any type of flexible mold material such as silicone, alginate and urethane, without the need for mold release. Monster Clay® is re-meltable and will return to its original solid state upon cooling. It can be reused indefinitely without change in composition. Monster Clay® is an ideal medium for lifecast reproduction where changes are needed prior to tooling and is perfect for rapid prototype duplication where additional detail and sculptural enhancements are desired.

Temperature Responsive - Monster Clay® is easily softened with a light bulb or a gas style oven. **Monster Clay® Premium Melts at 135.°F** The optimal temperature for melting and pouring is around **150°F. Never exceed 225°F.** Be sure to periodically mix the clay during melting with careful temperature monitoring. Comfortable handling temperature should not exceed **115°F.** To avoid component separation be sure to completely mix the clay in its melted state before pouring into your mold. **Monster Clay® is packaged in an ovenable tray that can withstand temperature up to 250°F.**

MICROWAVE OVEN WARNING!

Monster Clay® will rapidly soften and melt in microwave ovens. ***A high degree of caution*** **must be used with microwaves to avoid over heating.** Over heated clay can reach dangerously high temperatures that can cause severe burns to skin and create a fire hazard. **To avoid superheating the clay, microwave no longer than 15 seconds at a time for a fist size piece. A full block of clay packaged in its original container can be heated up to 3 minutes at a time on high setting. Less clay will melt signifcantly faster. Carefully monitor using a candy thermometer.** Use the included container or a microwave approved vessel only with heat resistant gloves and goggles when handling the heated clay. **BE SURE TO NEVER PLACE CLAY IN THE MICROWAVE AND WALK AWAY!** Heated clay will melt from the inside out, so molten clay may not be visible. To avoid a fire hazard, **never melt Monster Clay® in a pot over an open flame,** When using a conventional oven place the clay tub on a cookie sheet first. Never place the tub directly on an over rack. **Please Note:** The ovenable container provided can withstand heat up to 250°F. **Never expose the container to an open flame.** To remove clay intact from the origianl container, refrigerate or freeze overnight.

*** USE AT YOUR OWN RISK**

*****Melting wax/oil based clay can be dangerous and carries with it the potential for serious bodily injury. By purchasing this product the user agrees to assume all risks and use proper safety procedures. Monster Makers, Inc. and it's employees assumes no liability for any damages of any kind arising from the use of this product, including, but not limited to direct, indirect, incidental, punitive, and consequential damages. This product is not intended for children under the age of eighteen. Use at your own risk.

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