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## **PRODUCT DATA SHEET**

**Product Name:** SKID SAFE™  
**Water Based Primer/Sealer/Finish**

**Manufacturer:** NEW DIMENSIONS Solutions, LLC

### **DESCRIPTION AND USE:**

SKID SAFE is an aqueous emulsion of modified thermoplastic resins and their esters. It is ready for use and has an indefinite shelf life. It has an extremely mild odor, which is barely noticeable indoors and is non-combustible. SKID SAFE appears milky white and will dry to a water clear appearance with a high gloss of 90 on the Gardner Scale. The carrying agent is water. It delivers unusually high slip resistance to applied flooring materials, and makes most floor materials more slip resistant in a dry condition, and almost as slip resistant in a wet condition.

True traction can be created by broadcasting selected fine aggregate lightly onto it when SKID SAFE is freshly applied to the flooring selected material. SKID SAFE used this way can be a cost effective replacement for anti-slip mats and anti-slip strips.

SKID SAFE may be applied to all masonry such as concrete, marble, terrazzo, brick, to all wood, to all metals, to previously sealed finishes, to all tiles (new and used), and to grout lines. Before applying SKID SAFE to ceramic tiles, porcelain, brick, or limestone it is required to use SUPER BOND & CLEAN™. SUPER BOND & CLEAN™ is our innovative product, which creates a superior bond for SKID SAFE assuring excellent and permanent adhesion to the substrates above. Before applying SKID SAFE on concrete use CONCRETE BOND & CLEAN™. It will brilliantly clean old oils, greases, and most stains making old concrete appear like new, and prepares concrete for perfect adhesion.

Once SKID SAFE has been applied, multiple freeze/thaw cycles have no ill affect. It "breathes" allowing moisture vapors to escape while locking out water and providing excellent repellency.

Although SKID SAFE does not require stripping, it may be stripped both chemically and by severe abrasion by sandpaper, for example. It is cleanable with plain water, or with a very high dilution with water of our cleaner at anytime and may be cleaned daily. Severe

pounding and very heavy weight on it such as vehicles has no affect! Extremely heavy foot traffic has shown little affect over many years. Dulling or worn areas can quickly be restored to match the high gloss of the rest of the sealed area with a reapplication on needed areas. Correct burnishing will bring back much of the high gloss.

SKID SAFE can be applied on top of any other coating/finish in good condition for added slip resistance or traction (with aggregate applied into it), and for longer life of the sealed coating/paint with improved appearance. It will bring back the color of faded paint and this paint will not re-fade nor re-oxidize. The application of a new paint color or new coating over applied SKID SAFE even after many years can be done and save the cost of stripping the old paint/coating!

SKID SAFE does not yellow, peel, flake, crack, nor chip. Heat up to 600° F does not affect SKID SAFE.

### **APPLICATION DIRECTIONS:**

Use SKID SAFE Water Based Sealer/Finish straight from the bottle. Do not shake. Do NOT dilute with water! Pre-clean all flooring materials/paints-new or used- with a NEUTRAL CLEANER (PH of 7) to degrease and remove all residues. Allow porous materials such as limestone, marble, etc. to thoroughly dry out before applying SKID SAFE for about 24 hours.

1. All selected floor areas/substrate materials/painted floors to be sealed **MUST BE CLEAN AND THOROUGHLY DRY TO THE TOUCH** before applying SKID SAFE. New materials and used flooring contain residues which should be first removed.

2. New and used floor materials should be pre-cleaned with a neutral cleaner (PH of 7) with the exception of concrete and ceramic tile. Unsealed concrete requires the use of our CONCRETE BOND & CLEAN™. Sealed or painted concrete requires cleaning with a NEUTRAL CLEANER (Do NOT use CONCRETE BOND & CLEAN™ on those concrete floors!). Unsealed ceramic tile requires the use of our SUPER BOND & CLEAN™, which both cleans and uniquely insures proper adhesion of SKID SAFE to the tiles when the tile is washed at anytime after SKID SAFE has CURED-96 hours. If the tile/grout lines have ever been previously sealed with a sealer or finish, do not use SUPER BOND & CLEAN™ because it will not function to insure proper adhesion of SKID SAFE. Simply clean the tile with a NEUTRAL CLEANER (PH of 7) before applying SKID SAFE and or ND AGGREGATE™.

3. Previously sealed tile and grout lines require the use of a quality stripper to free all grout line pores when either you wish to apply our GROUT COATING, or when the old seal is not desired. Any old seal/finish should be stripped from concrete and ceramic tiles if it is not in acceptable condition. You may purchase a good floor stripper at a janitorial store. Buy a NEUTRALIZER also to neutralize the floor after stripping and removal of all liquids perhaps with a wet vac. Also purchase a NEUTRAL CLEANER from a janitorial store for before and after cleaning. NOTE: Failure to properly remove all stripper residues and neutralize the floor prior to sealing with our SKID SAFE is **LIKELY** to cause SKID SAFE to look and perform in a substandard manner.

4. Unless being used outside, we suggest the use of a good blower or fan to speed the drying time. We suggest that masonry, wood, and stones be allowed to dry out for 24 hours to insure that all moisture has evaporated from below the surface and throughout the substrate material.

5. On concrete use our CONCRETE BOND & CLEAN™ after the old concrete has been stripped and is dry to the touch. On ceramic tile and grout lines, either first apply our Grout Coating to the pre-cleaned or stripped tile, or, if the grout line appearance of either new or used tile is acceptable and no Grout Coating is desired, use SUPER BOND & CLEAN™ prior to sealing it with SKID SAFE.

6. After proper floor area preparation for sealing as stated above, SKID SAFE may be applied to porous/rough materials and on larger areas using an airless sprayer with a tip size of 0.015 or 0.013 at 300-500 PSI which produces a mist of SKID SAFE on the floor area. Also, a low-pressure hand pump sprayer at 35 PSI may be used. Apply SKID SAFE by slowly moving the tool over the floor area so that you can clearly see the wetness of our product as it is being applied. A heavier base coat can be applied which will entirely soak into the substrate. When the entire area has been sprayed with SKID SAFE, allow it to dry to the touch with the use of a blower before applying the next coat and subsequent coats, which should occur in about 20 minutes or less. We recommend a total of 4 single coats be applied.

On smooth non-porous floors use either a quality sponge mop (do not use sponges that are sold moist), or an artificial lamb's wool applicator, or a brand new pre-rinsed and DRY cotton mop. All mops/tools - new or used - MUST BE pre-washed and dried before use! We advise having several of your selected application tools available, and we advise that you place the tool in a bucket of SKID SAFE while you are waiting for each coat to dry to avoid the tool being sealed with SKID SAFE during this drying process.

A. Dip your application tool into WET SKID SAFE in a bucket or tray. Insure the tool is not dripping SKID SAFE before applying to the floor.

B. Draw the SKID SAFE wet tool across a floor area until no more wetness is seen on the floor. It is not necessary to rub the tool on the floor.

C. Re wet the tool in SKID SAFE and continue to apply where you left off until the entire area has been treated with the first coat.

D. See ND AGGREGATE™ DIRECTIONS if you are applying ND AGGREGATE™.

E. Any missed spots can be touched up now by applying more finish to those spots.

F. Use a blower on the floor to blow dry this coat and on all 4 subsequent applied coats. Open windows for ventilation.

G. When this coat and all others are absolutely DRY TO THE TOUCH known by feeling the floor, apply the second coat by repeating the above procedures.

H. Apply coats 3 and 4 similarly.

I. After the 4th and final coat is dry, allow the entire application to CURE. This means that the water portion of SKID SAFE has evaporated, but the non-water elements of our unique product need to harden. This process takes about 96 hours under conditions of moderate to low humidity.

**Do not apply our product in high humidity, as doing so will extend both drying and curing times considerably!** Clean all tools with water after use to easily remove all SKID SAFE from the tool and preventing it from being sealed-hard and ruined!

7. Now, after the final 4th coat has been applied secure the area and allow it to dry and start the curing process for 24 hours on all areas where vehicles will pass such as concrete garages. We suggest that you test an area of the garage to see that no damage is occurring to SKID SAFE when driven on after 24 hours. If there is any damage, allow it to cure for 96 hours before use.

SKID SAFE REQUIRES 96 HOURS TO CURE, WHICH MEANS THAT IT WILL GET HARD AND IT WILL GET HARDER OVER TIME. On areas where only light foot traffic will pass, secure this area for at least 8 hours from all. We suggest that you cover this floor with rolls of cardboard secured to avoid it being kicked around for 96 hours so that SKID SAFE can CURE. That means that the non-water elements in the product will get hard, and they will get much harder over time. After 96 hours, remove the cardboard or butcher paper and allow normal use. DO NOT DRAG HEAVY OBJECTS SUCH AS FURNITURE OVER ANY SEALED FLOOR TO AVOID DAMAGE FROM ABRASION TO SKID SAFE. DO NOT COVER NEWLY SEALED FLOOR WITH RUBBER MATS, OR SIMILAR UNBREATHABLE MATERIALS UNTIL SKID SAFE IS FULLY CURED.

8. DO NOT CLEAN OR WASH YOUR NEWLY SEALED FLOOR BEFORE 96 HOURS.

9. DO NOT APPLY SKID SAFE OUTSIDE IF IT IS LIKELY TO RAIN WITHIN 4 DAYS.

10. NEVER APPLY SKID SAFE TO ANY AREA THAT WILL BE EITHER UNDER WATER OR WILL BE CONSTANTLY WET WITH WATER. SHOULD ANY SEALED AREA BECOME WET FOR TOO LONG USUALLY EXCEEDING 5 DAYS. IT MAY TURN WHITE TEMPORARILY UNTIL THE WATER DRIES. THEN, IT WILL TURN BACK TO BEING CLEAR.

11. Note that high humidity will extend the drying times and will delay and extend the curing times! Apply SKID SAFE in conditions of moderate to low humidity for better drying results.

12. When and how can you walk on the floor? A. Do not allow water on the floor until CURED. B. FAST USE: Cover the dried application with a cardboard and mask it down so it cannot be kicked around by normal foot traffic. After at least 8 hours of further drying, then, the cardboard may be walked on until the floor is CURED. Then, remove the cardboard and use the floor in a normal manner. C. Or, close the floor from use until it has CURED.

## **DIRECTIONS FOR USE WITH ND AGGREGATE™ TO CREATE TRUE TRACTION NON SLIP SURFACE:**

We highly recommend that you practice and develop your technique to properly apply the aggregate on to our SKID SAFE by test applying it to any loose tiles, or small floor area before proceeding with the entire job area. Apply SKID SAFE following all of our directions to a section of the floor. Apply a first coat of SKID SAFE to a small area of the floor (using a quality sponge mop which has been pre-washed and is thoroughly dried) so that it is easy for you to stand over it and broadcast ND AGGREGATE™. While SKID SAFE is still wet hold a small amount of the aggregate in your hand and throw it straight up - slightly. The aggregate will fall evenly over this wet SKID SAFE area. Then, apply another small area of SKID SAFE and repeat the above process until the entire floor area has been sealed with a first coat of SKID SAFE with the broadcast of our ND AGGREGATE™.

Use a fan or a blower (rent or buy at a janitorial store) to help blow dry each coat of SKID SAFE. Open windows for ventilation. Apply in low to moderate humidity. High humidity will greatly increase the drying and curing times. Each coat should now dry in about 20 minutes or less.

When the first coat is absolutely dry use paint roller (sponge, or 1/4" nap), or a low pressure sprayer (about 35-65PSI) to apply coats 2-6 so as not to disturb the aggregate which any mop will. Consult with any hardware or janitorial store to purchase a low-pressure sprayer. Each successive coat must be absolutely dry to the touch before applying the next coat. After the entire 6 coat of SKID SAFE is completed, 96 hours more time is needed to allow our finish to CURE (GET VERY HARD). If you cannot close the floor to foot traffic for the next 96 hours, cover the floor with a cardboard masked down to enable foot traffic after 8 hours of drying time. Remove the cardboard after 4 DAYS. Use normally.

## **PRODUCT USE ESTIMATES:**

### **1. SKID SAFE (when used alone - without ND AGGREGATE™)**

NON POROUS FLOOR MATERIAL such as porcelain, ceramic tiles, metal, currently sealed flooring or fiberglass:

You need to apply 4 separate coats according to our directions. The approximate coverage for all 4 applied coats is about 400 sq.ft. per gallon. Divide your floor sq.ft. area by 400 to show the amount of SKID SAFE Water Based Sealer/Finish that you need.

POROUS FLOOR MATERIAL such as vinyl, quarry tile, brick, wood, concrete, masonry and porous paint:

You need to apply 4 separate coats according to our directions. The approximate coverage for all 4 applied coats is about 205 sq.ft. per gallon. Divide your floor sq.ft. area by 205 to show the amount of gallons of SKID SAFE Water Based Sealer/Finish that you need.

### **2. SKID SAFE and ND AGGREGATE™ (when used together):**

NON POROUS FLOOR MATERIAL such as porcelain, ceramic tiles, metal, currently sealed flooring or fiberglass:

You need to apply 6 separate coats according to our directions. The approximate coverage for all 6 applied coats is about 300 sq.ft. per gallon. Divide your floor sq.ft. area by 300 to show the amount of gallons of SKID SAFE Water Based Sealer/Finish that you need. Divide your floor sq.ft. area by 160 to show the amount of lbs. of ND AGGREGATE™ needed.

POROUS FLOOR MATERIAL such as vinyl, quarry tile, brick, wood, concrete, masonry and porous paint:

You need to apply 6 separate coats according to our directions. The approximate coverage for all 6 applied coats is about 170 sq.ft. per gallon. Divide your floor sq.ft. area by 170 to show the amount of gallons of SKID SAFE Water Based Sealer/Finish that you need. Divide your floor sq.ft. area by 160 to show the amount of lbs. of ND AGGREGATE™ needed.

**3. SUPER BOND & CLEAN™ :** You need to order about 1 Quart of SUPER BOND & CLEAN™ per 100 sq.ft.

**4. CONCRETE BOND & CLEAN™:** The spread rate will range from 150 sq. ft.-250 sq.ft. per gallon (37 - 62 sq.ft. per Quart).

**We encourage all to pre test our products for their application to determine the exact spread rates on their flooring material.**

### **MAINTENANCE DIRECTIONS:**

1. Use a light dilution of a neutral cleaner that you have pre-tested that will neither strip nor dull the high gloss of our finish, or use just a plain water. SKID SAFE may be cleaned daily. The use of anything but a NEUTRAL CLEANER will dull or strip SKID SAFE. We suggest a light scrub with a scrubbing machine or nylon brush and the use of a wet vac to easily pick up all wet residues. SKID SAFE can also be cleaned with a powerwasher.

2. Cleaner residues allowed to dry on SKID SAFE will dull the high gloss in time.

3. Use a disinfectant known not to harm plastics/finishes. A disinfectant sprayed on the floor near a urinal area can strip or damage SKID SAFE in time.

4. Should any area of a floor become dull over time or worn, the easiest procedure is to reapply more SKID SAFE over the clean worn/dull area. It will blend into the rest of the floor and match the high gloss elsewhere on the floor. Apply a new coat of SKID SAFE over the floor to restore the high gloss on the entire floor.

5. SKID SAFE can be burnished to restore much of the high gloss with a low speed machine (175-300 RPM) with a red pad and a 4-1 dilution of SKID SAFE with water spray misted over the floor area before burnishing. This will also remove scuffmarks. Then, use a white pad with the same low speed floor machine to polish the floor, which will restore gloss. CAUTION: Burnishing the floor will reduce the level of high gloss as it originally appears. Use our cleaner to remove scuffmarks. Apply a fresh coat of SKID SAFE over a part or over the entire floor for highest gloss.

6. SKID SAFE does not require stripping! However, it can be stripped with a stripper, and selected areas could be stripped with sandpaper in seconds.

WARNING: THIS PRODUCT CANNOT BE ALLOWED TO FREEZE IN THE CONTAINER AS IT WILL BE RUINED WHEN THAWED!

**FIVE-YEAR WARRANTY:**

Your purchase of any of our primers/sealers/finishes/coatings is warranted to perform according to our specifications when applied and maintained according to our directions for 5 years. This warranty does not cover: misuse, misapplication, poor maintenance and high gloss. Your rights under this warranty are not transferable. Only the original buyer may file a claim with us under this warranty. If we determine the validity of a claim under this warranty, we will refund or replace the product(s) at your option less the time that the product(s) performed from the 5-year period. Example: If the product performed for 2.5 years, you could receive a refund of half the product cost, or replace the product at a credit of half of the List Price towards replacement.

**LIMITATION OF LIABILITY:**

You understand and agree that the manufacturer shall not be liable for any direct, indirect, incidental, consequential or exemplary damages, including but not limited to, damages for loss of profits, data or other intangible losses (even if manufacturer has been advised of the possibility of such damages), resulting from the use or the inability to use the product(s) and or service(s) or any misuse of the product(s) and or service(s) in a manner not in accordance with their intended use. The user assumes full responsibility and risk in testing this product for the particular application and for determination of proper disposal method of chemical residues and cleaning implements according to State and Federal regulations. In no event shall New Dimensions Solutions, LLC be liable for consequential or incidental damages exceeding the cost of this product.

**TECHNICAL DATA:**

FORM: Milky White Liquid  
Active Material (Solid) Content: 15%  
Specific Gravity: 1.04  
Weight per Gallon: 8.6 lbs.  
Flash Point: Non-Combustible  
Carry Agent: Water  
Shelf Life: Indefinite  
Repellency Rating: (ASTM C 67): EXCELLENT  
Pencil Hardness: (ASTM D 3363): 2H  
Tukon Hardness: (ASTM D 1474): 14  
Flexibility: (ASTM D 1737): 1/8" mandrels: 3  
Adhesion: (ASTM D 3359): FAIR-GOOD  
Ionic Charge: Anionic  
Thermal Shock: (ASTM D 1211): 3 cycles  
Skid Resistance: (ASTM C 1028) DRY: COF.=.81, WET: COF.=.77

Heat Resistance: No affect up to 600° F  
Gloss: 90 Gardner Scale  
VOC: 19.6 g/l (per California VOC regulations)  
Exterior/Interior Durability: EXCELLENT  
Non-Combustible  
Odor: Extremely Mild  
Dry Time: Instantly to 20 minutes  
Cure Time: 96 hours

**BENEFITS IN SUMMARY:**

Very High Skid Resistant floor coating/sealer/finish  
Prevents spawling/crumbling, discoloration, deterioration, rust and corrosion  
Concrete sealer, driveway sealer that is resistant to stains and that waterproofs  
Breathes: Allows moisture vapors to escape  
Resists damage from Salt Water  
Buffable  
Does not require stripping  
Deeply penetrates into porous materials  
High Gloss  
Prevents grout line discoloration  
Resists staining from water, oils, gasoline, acids, grease, dirt, salt water, food and beverage spills, alcohol, perfume, and uric acid  
Revitalizes old faded materials  
Recommended for masonry, marble, terrazzo, wood, metals, vinyl, plastic, paint  
New applications blend into old without seams  
Can be applied over any other in place coating/paint  
Enhances and improves the look of all materials new or used  
Does not yellow, peel, crack, flake, nor chip  
Guaranteed for 5 years on all flooring materials with proper application and maintenance according to our direction  
All benefits proven to last for many years!

7/28/2011