



ChemMasters

SPECIALTY CONSTRUCTION PRODUCTS

SAFE-SLIP / SAFE-SLIP CONCENTRATE

WATER EMULSION FORM RELEASE AGENTS

P R O D U C T D A T A

Safe-Slip is dual action, emulsified concrete form release agent. **Safe-Slip** is packaged ready-to-use. **Safe-Slip Concentrate** is highly concentrated. One 5 gallon pail of **Safe-Slip Concentrate** can be mixed with 50 gallons of water to make an extremely effective release agent suitable for use with all types of forming materials. **Safe-Slip Concentrate** must be diluted with clean water before use.

USE

- Permits easy, stain-free removal of forms and formliners including elastomeric, PVC and EPS.
- Reduces bugholes in poured-in-place architectural and precast concrete
- Prevents concrete from sticking to equipment such as paving machines, bucket hoists, concrete pumps and buggies

ADVANTAGES

- Zero V.O.C. content, meets all federal and state standards for emissions
- Will not stain white or light colored architectural or precast concrete
- Does not interfere with adhesion of caulk, architectural coatings, paint, sealers and curing compounds when properly applied.
- Dual action-barrier and lightly reactive
- Made with biodegradable oils
- Low odor formulation
- Extends the life of forms, inhibits oxidation of metal forms
- Clings better to vertical surface
- Reduces labor cost of stripping and cleaning forms and equipment
- Reduces incidences of skin rashes
- Economical when compared to solvent-based formulations

TECHNICAL DATA

	Concentrate	Ready-to-Use
Color	Amber	White
Freeze Temp	-15°F	32°F
Flash Point	>145°F	N/A
Viscosity (cp)	72	2
Density	7.5 lb/ga	8.3 lb/ga
V.O.C. Content	0 gm/L	0 gm/L

PACKAGING

Safe-Slip and **Safe-Slip Concentrate** are available in 5 U.S. gallon (18.9 liter) pails, shipped 36 per pallet shrink wrapped and 55 U.S. gallon (208 liter) drums.

ESTIMATING GUIDE

Coverage rates for **Safe-Slip** or **Safe-Slip Concentrate** after dilution.

	Ft ² /gal	M ² /L
Wood, Plywood, EPS	1000	20
HDP	1200	29
PVC, Plastic finishes	2000	49
Metal, Smooth fiberglass	2000	49

DIRECTIONS

SURFACE PREPARATION: Forms to be coated must be clean and free of any dust, dirt, laitance, hardened concrete or residue that might discolor new concrete.

MIXING: **Safe-Slip** should be mildly agitated immediately prior to use to ensure a homogeneous mixture. Shaking 5 gallon pails or rolling drums is sufficient.

Safe-Slip Concentrate must be diluted with clean water prior to application. Pour 5 gallons of **Safe-Slip Concentrate** into an open head 55 gallon drum. Add 50 gallons of water. **Safe-Slip Concentrate** mixes easily with water. Generally, the addition of the water will supply enough mixing action



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An American Owned & Operated Company
300 EDWARDS STREET • MADISON, OHIO 44057-3112
(440) 428-2105 • FAX (440) 428-7091 • ORDER LINE: (800) 486-7866

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to thoroughly blend the product. If a layer of oil appears on the surface, additional mixing may be required with a paddle or by rolling the drum.

APPLICATION: Apply ready to use **Safe-Slip** or diluted **Safe-Slip Concentrate** with a brush, roller or pressurized sprayer. Application should be done just minutes before concrete is placed or up to 7 days before if treated surface is protected from precipitation. Wipe off excess and drips with a clean, soft rag.

NOTE: Too much release agent may cause bugholes or wormtracks in the concrete or cause difficulty in stripping. Apply **Safe-Slip** no thicker than 1,000 square feet per gallon. Power sprayers are preferred in other to apply thin films. If using a pump-up sprayer, use a tip that will spray no more than 1/2 gallon per minute and keep the sprayer fully pumped.

NEW WOOD FORMS: Apply initial coat of **Safe-Slip** at a rate of 1000 Ft.² per gallon (20 M² per liter) and do not wipe. Allow release agent to absorb into wood surface. For extremely porous forms, a second saturation coat may be necessary prior to first use. Allow forms to dry and recoat and wipe excess as stated above.

CLEANUP

Clean tools and equipment used to apply **Safe-Slip** with detergent and warm water.

STORAGE

Safe-Slip Concentrate is unharmed by freezing. Ready-to-use **Safe-Slip** or diluted **Safe-Slip Concentrate** will freeze. Allow the frozen material to thaw and remix before using.

SHELF LIFE:

Shelf life of both ready-to-use **Safe-Slip** and **Safe-Slip Concentrate** is two years from date of manufacture.

LIMITATIONS

- Do not use as a tilt up bond breaker.
- Do not over apply. Excess release agent can cause defects, voids and bugholes on formed surface.
- In cold weather, protect from freezing. Condition material to 50°F (10°C) prior to application.
- Not recommended for forms or formliners made from expanded polystyrene, SBR or natural rubber
- Rain and other types of precipitation will wash **Safe-Slip** off treated forms.

CAUTION

Cause eye irritation on direct contact. Overexposure may cause skin and respiratory tract irritation. Do not take internally. Keep out of reach of children.

All label precautions and the MSDS must be read and fully understood before using this product.

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET AND PACKAGE LABEL FOR THIS PRODUCT

We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.